

Seacor Film Capacitors

5741

pdfelement



SMMKO metallized polyester capacitors

Remove Watermark Now

- Self Healing, Extended Foil, Non-inductive
- SMMKO Case Impervious to Known Solvents
- Ideal for Hand or Automatic Processing
- Lead Length: .236"

- Case Meets U.L. Flammability Specs
- Standard Sizes and Lead Spacing
- Uniform Shape, Hi Density Packaging
- See MMKO Spec Sheet for Standard Spacing

CAPACITANCE VALUES: .001 to .47 MFD.

TOLERANCES: 20% (M), 10% (K), 5% (J), below 5% special.

WORKING VOLTS: 63/40, 100/63, 250/160, 400/200 Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.6 X Vdc for 1 minute.
TERMINATIONS TO CASE: 2500 VAC
LIFE TEST: .94 X Vdc at 100°C for 1000 hours.

DISSIPATION FACTOR: (tan δ): < .8% at 1 KHz at 25°C.

INSULATION RESISTANCE:

- > 3000 Mohm or 1000 sec (Mfd X Megohms) for Vdc = 63. (Whichever is lower).
- > 10000 Mohm or 2500 sec (Mfd X Megohms) for Vdc = 100. (Whichever is lower).
- > 15,000 Mohm or 5000 sec (Mfd X Megohms) for Vdc > 100. (Whichever is lower).

OPERATING TEMP. RANGE: -40°C to +100°C derate voltage 1.25%/°C above 85°C to 100°C.

TEMP. COEFF: See graph, approximately +400 (± 200) PPM/°C.

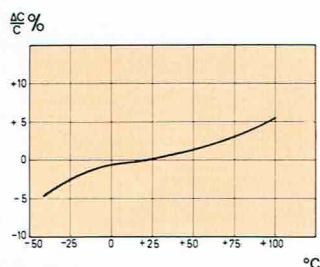
SELF INDUCTANCE: Approximately 10nh/.4" (10) of case length.

CONSTRUCTION DATA:

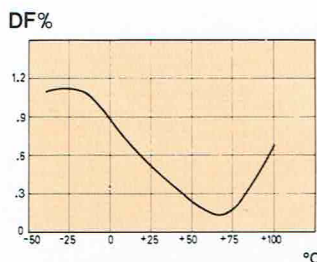
- STYLE: Flat, rectangular, radial, tinned copper leads.
- CASE: Special plastic 94VE-O.
- LEADS: .027" (.7) diameter.

SEACOR PART #MMKS — PLEASE NOTE WHEN ORDERING.

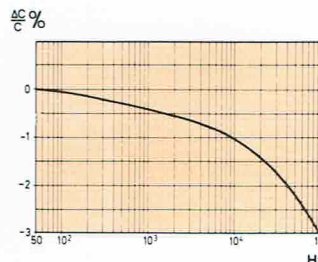
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.



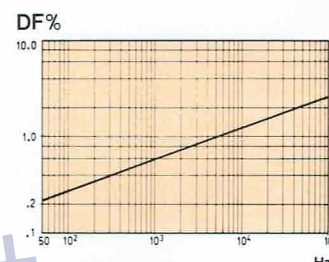
Capacitance vs. temperature.



Dissipation factor vs. temperature.



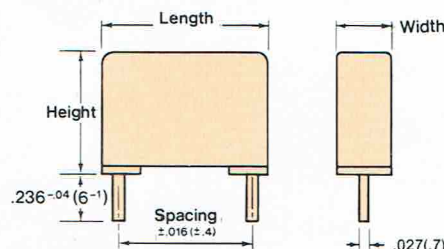
Capacitance vs. frequency.



Dissipation factor vs. frequency.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	63Vdc/40Vac		100Vdc/63Vac		250Vdc/160Vac		400Vdc/200Vac		LENGTH	SPACING
	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		
.001							.158(4.0)	.315(8.0)	All Value Same Dim's .413 (10.5)	All Value Same Dim's .295 (7.5)
.0012							.158(4.0)	.315(8.0)		
.0015							.158(4.0)	.315(8.0)		
.0018							.158(4.0)	.315(8.0)		
.0022							.158(4.0)	.315(8.0)		
.0027							.158(4.0)	.315(8.0)		
.0033							.158(4.0)	.315(8.0)		
.0039							.158(4.0)	.315(8.0)		
.0047							.158(4.0)	.315(8.0)		
.0056							.158(4.0)	.315(8.0)		
.0068							.158(4.0)	.315(8.0)		
.0082							.158(4.0)	.315(8.0)		
.01							.158(4.0)	.315(8.0)		
.012							.158(4.0)	.315(8.0)		
.015							.158(4.0)	.315(8.0)		
.018							.158(4.0)	.315(8.0)		
.022					.158(4.0)	.315(8.0)				
.027					.158(4.0)	.315(8.0)				
.033					.158(4.0)	.315(8.0)				
.039					.158(4.0)	.315(8.0)				
.047					.158(4.0)	.315(8.0)				
.056			.158(4.0)	.315(8.0)						
.068			.158(4.0)	.315(8.0)						
.082			.158(4.0)	.315(8.0)						
.1			.158(4.0)	.315(8.0)						
.12			.158(4.0)	.315(8.0)						
.15	.158(4.0)	.315(8.0)	.197(5.0)	.433(11.0)						
.18	.158(4.0)	.315(8.0)	.197(5.0)	.433(11.0)						
.22	.158(4.0)	.315(8.0)	.197(5.0)	.433(11.0)						
.27	.158(4.0)	.315(8.0)								
.33	.197(5.0)	.433(11.0)								
.39	.197(5.0)	.433(11.0)								
.47	.197(5.0)	.433(11.0)								



metallized polyester capacitors **MMKO**

Remove Watermark Now

- Self Healing, Extended Foil, Non-inductive
- MMKO Case Impervious to Known Solvents
- Ideal for Hand or Automatic Processing
- Lead Length: .236"

- Case Meets U.L. Flammability Specs
- Standard Sizes and Lead Spacing
- Uniform Shape, Hi Density Packaging
- See SMMKO Spec for .295 (7.5) Spacing

CAPACITANCE VALUES: .0027 Mfd to 6.8 Mfd.

TOLERANCES: 20% (M), 10% (K), 5% (J), below 5% special.

WORKING VOLTS: 63/40, 100/63, 250/160, 400/200, 630/220 Vdc/Vac.

TEST VOLTS: BETWEEN TERMINATIONS: 1.6 X Vdc for 1 minute.
 TERMINATIONS TO CASE: 2500 VAC
 LIFE TEST: .94 X Vdc at 100°C for 1000 hours.

DISSIPATION FACTOR: (tan δ): < .8% at 1 KHz at 25°C.

INSULATION RESISTANCE:

- > 3000 Mohm or 1000 sec (Mfd X Megohms) for Vdc = 63. (Whichever is lower).
- > 10000 Mohm or 2500 sec (Mfd X Megohms) for Vdc = 100. (Whichever is lower).
- > 15,000 Mohm or 5000 sec (Mfd X Megohms) for Vdc > 100. (Whichever is lower).

OPERATING TEMP. RANGE: -40°C to +100°C derate voltage 1.25%/°C above 85°C to 100°C.

TEMP. COEFF: See graph, approximately +400 (±200) PPM/°C.

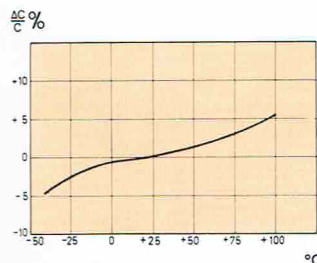
SELF INDUCTANCE: Approximately 10nh/.4" (10) of case length.

CONSTRUCTION DATA:

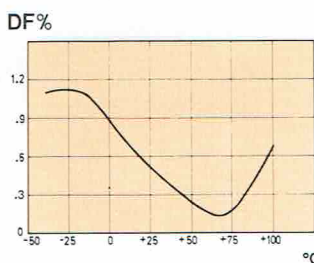
- STYLE: Flat, rectangular, radial, tinned copper leads.
- CASE: Special plastic 94VE-O.
- LEADS: .032" (.8) diameter.

SEACOR PART # MMKR— PLEASE NOTE WHEN ORDERING.

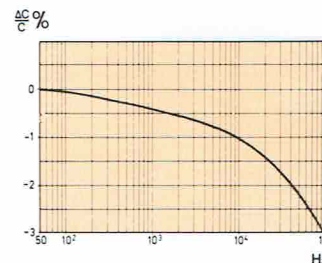
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.



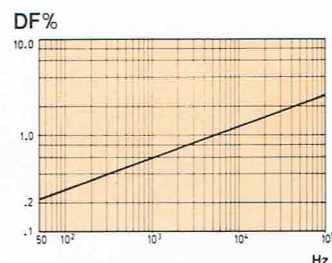
Capacitance vs. temperature.



Dissipation factor vs. temperature.



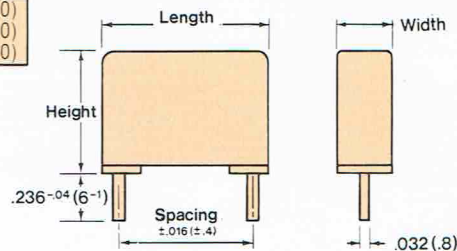
Capacitance vs. frequency.



Dissipation factor vs. frequency.

**ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES
 COLOR BARS IDENTIFY COMMON LENGTH AND LEAD SPACING.**

CAPACITY MFD	63Vdc/40Vac		100Vdc/63Vac		250Vdc/160Vac		400Vdc/200Vac		630Vdc/20Vac		LENGTH	SPACING
	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		
.0027 to .01												
.012							.158(4.0)	.355(9.0)	.158(4.0)	.355(9.0)	.512 (13.0)	.394 (10.0)
.015							.158(4.0)	.355(9.0)	.217(5.5)	.453(11.5)		
.018							.158(4.0)	.355(9.0)	.217(5.5)	.453(11.5)		
.022							.158(4.0)	.355(9.0)	.217(5.5)	.453(11.5)		
.027					.158(4.0)	.355(9.0)	.217(5.5)	.453(11.5)	.217(5.5)	.433(11.0)	.709 (18.0)	.591 (15.0)
.033					.158(4.0)	.355(9.0)	.217(5.5)	.453(11.5)	.217(5.5)	.433(11.0)		
.039					.158(4.0)	.355(9.0)	.217(5.5)	.453(11.5)	.256(6.5)	.512(13.0)		
.047					.158(4.0)	.355(9.0)	.217(5.5)	.433(11.0)	.256(6.5)	.512(13.0)		
.056					.158(4.0)	.355(9.0)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)	.985 (25.0)	.887 (22.5)
.068					.158(4.0)	.355(9.0)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)		
.082			.158(4.0)	.355(9.0)	.177(4.5)	.413(10.5)	.217(5.5)	.433(11.0)	.256(6.5)	.512(13.0)		
.1			.158(4.0)	.355(9.0)	.177(4.5)	.413(10.5)	.217(5.5)	.433(11.0)	.256(6.5)	.512(13.0)		
.12			.158(4.0)	.355(9.0)	.177(4.5)	.413(10.5)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)	1.24 (31.5)	1.08 (27.5)
.15			.158(4.0)	.355(9.0)	.177(4.5)	.413(10.5)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)		
.18			.158(4.0)	.355(9.0)	.177(4.5)	.413(10.5)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)		
.22	.158(4.0)	.355(9.0)	.177(4.5)	.413(10.5)	.217(5.5)	.433(11.0)	.217(5.5)	.433(11.0)	.256(6.5)	.512(13.0)		
.27			.177(4.5)	.413(10.5)	.217(5.5)	.433(11.0)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)	1.24 (31.5)	1.08 (27.5)
.33			.177(4.5)	.413(10.5)	.217(5.5)	.433(11.0)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)		
.39	.158(4.0)	.355(9.0)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)	.335(8.5)	.729(18.5)	.453(11.5)	.827(21.0)		
.47	.158(4.0)	.355(9.0)	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)	.335(8.5)	.729(18.5)	.453(11.5)	.827(21.0)		
.56	.158(4.0)	.355(9.0)	.217(5.5)	.433(11.0)	.256(6.5)	.611(15.5)	.413(10.5)	.808(20.5)	.453(11.5)	.827(21.0)	1.24 (31.5)	1.08 (27.5)
.68	.217(5.5)	.433(11.0)	.256(6.5)	.512(13.0)	.256(6.5)	.611(15.5)	.413(10.5)	.808(20.5)	.453(11.5)	.827(21.0)		
.82	.217(5.5)	.433(11.0)	.256(6.5)	.512(13.0)	.296(7.5)	.650(16.5)	.453(11.5)	.827(21.0)	.453(11.5)	.827(21.0)		
1.0	.217(5.5)	.433(11.0)	.296(7.5)	.552(14.0)	.335(8.5)	.729(18.5)	.453(11.5)	.827(21.0)	.453(11.5)	.827(21.0)		
1.2	.217(5.5)	.433(11.0)	.256(6.5)	.512(13.0)	.413(10.5)	.808(20.5)	.453(11.5)	.827(21.0)			1.24 (31.5)	1.08 (27.5)
1.5	.256(6.5)	.512(13.0)	.256(6.5)	.512(13.0)	.453(11.5)	.827(21.0)	.453(11.5)	.827(21.0)				
1.8	.256(6.5)	.512(13.0)	.256(6.5)	.512(13.0)	.453(11.5)	.827(21.0)	.453(11.5)	.827(21.0)				
2.2	.296(7.5)	.552(14.0)	.296(7.5)	.552(14.0)	.453(11.5)	.827(21.0)	.453(11.5)	.827(21.0)				
2.7	.296(7.5)	.552(14.0)	.335(8.5)	.729(18.5)							1.24 (31.5)	1.08 (27.5)
3.3	.256(6.5)	.611(15.5)	.413(10.5)	.808(20.5)								
3.9	.256(6.5)	.611(15.5)	.453(11.5)	.827(21.0)								
4.7	.335(8.5)	.729(18.5)	.453(11.5)	.827(21.0)								
5.6	.335(8.5)	.729(18.5)	.453(11.5)	.827(21.0)							1.24 (31.5)	1.08 (27.5)
6.8	.335(8.5)	.729(18.5)	.453(11.5)	.827(21.0)								



102 polyester film & foil capacitors

Remove Watermark Now

- Axial Lead Polyester Film & Foil
- Polyester Wrap & Epoxy End Fill
- Low Dissipation Factor
- Excellent Electrical Characteristics

- Extended Foil, Non-Inductive
- Miniature Size & Light Weight
- Available Taped & Reeled
- Specials Available Upon Request

CAPACITANCE VALUES: .001 to .47 MFD, Above on Request

INSULATION RESISTANCE: >50,000 Megohms @ 25°C

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F), Below 5% Special

OPERATING TEMP. RANGE: -55°C to 85°C Derate Voltage 1.5%/°C above 85°C to 125°C

WORKING VOLTS: 100/50, 200/100, 400/160, 600/180 Vdc/Vac

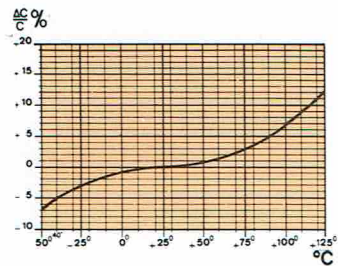
TEMP. COEF.: See graph, approx. +400 (±200) PPM/°C

TEST VOLTS: BETWEEN TERMINATION: 2.5 x Vdc for 5 Sec.
TERMINATIONS TO CASE: 2500 VAC
LIFE TEST: 1.5 x Vdc at 85°C for 250 hrs.

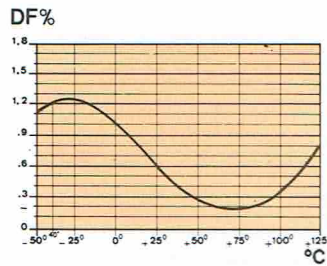
SELF INDUCTANCE: Approx. 10nH/ .4" (10) of case length

DISSIPATION FACTOR: (tan δ) <.75% @ 1 KHZ at 25°C
(.55% Typical)

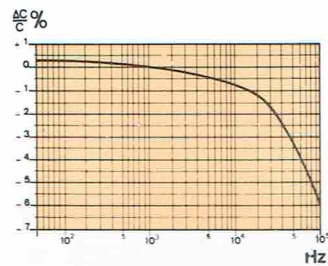
CONSTRUCTION DATA: Tubular, Axial, Polyester Wrap & Epoxy End Fill with Tinned Copper Leads



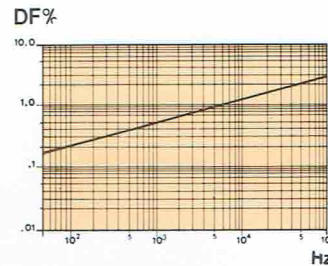
Capacitance vs. temperature.



Dissipation factor vs. temperature.



Capacitance vs. frequency.



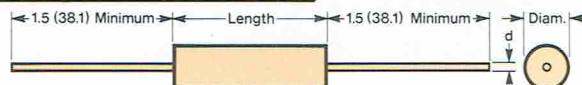
Dissipation factor vs. frequency.

SEACOR PART #MFWA — PLEASE NOTE WHEN ORDERING.

SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	100Vdc/50Vac		200Vdc/100Vac		400Vdc/160Vac		600Vdc/180Vac	
	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH
.001	.21(5.33)	.45(11.42)	.21(5.33)	.45(11.42)	.21(5.33)	.625(15.86)	.23(5.84)	.625(15.86)
.0012	.21(5.33)	.45(11.42)	.21(5.33)	.45(11.42)	.21(5.33)	.625(15.86)	.23(5.84)	.625(15.86)
.0015	.21(5.33)	.45(11.42)	.21(5.33)	.45(11.42)	.21(5.33)	.625(15.86)	.23(5.84)	.625(15.86)
.0018	.21(5.33)	.45(11.42)	.21(5.33)	.45(11.42)	.21(5.33)	.625(15.86)	.23(5.84)	.625(15.86)
.0022	.21(5.33)	.45(11.42)	.21(5.33)	.45(11.42)	.21(5.33)	.625(15.86)	.23(5.84)	.625(15.86)
.0027	.21(5.33)	.45(11.42)	.21(5.33)	.45(11.42)	.23(5.84)	.625(15.86)	.24(6.09)	.748(18.98)
.0033	.21(5.33)	.45(11.42)	.21(5.33)	.45(11.42)	.23(5.84)	.625(15.86)	.24(6.09)	.748(18.98)
.0039	.22(5.58)	.45(11.42)	.22(5.58)	.45(11.42)	.25(6.35)	.625(15.86)	.27(6.85)	.748(18.98)
.0047	.22(5.58)	.45(11.42)	.22(5.58)	.45(11.42)	.25(6.35)	.625(15.86)	.27(6.85)	.748(18.98)
.0056	.22(5.58)	.45(11.42)	.22(5.58)	.45(11.42)	.275(6.98)	.625(15.86)	.305(7.74)	.825(20.94)
.0068	.22(5.58)	.45(11.42)	.22(5.58)	.45(11.42)	.275(6.98)	.625(15.86)	.305(7.74)	.825(20.94)
.0082	.23(5.84)	.45(11.92)	.23(5.84)	.45(11.42)	.27(6.85)	.748(18.98)	.34(8.63)	.94(23.86)
.01	.23(5.84)	.45(11.42)	.23(5.84)	.45(11.42)	.27(6.85)	.748(18.98)	.34(8.63)	.94(23.86)
.012	.23(5.84)	.45(11.42)	.23(5.84)	.45(11.42)	.31(7.87)	.748(18.98)	.355(9.01)	.94(23.86)
.015	.23(5.84)	.45(11.42)	.23(5.84)	.45(11.42)	.31(7.87)	.748(18.98)	.355(9.01)	.94(23.86)
.018	.26(6.6)	.625(15.86)	.27(6.85)	.748(18.98)	.35(8.88)	.825(20.94)	.38(9.64)	.94(23.86)
.022	.26(6.6)	.625(15.86)	.27(6.85)	.748(18.98)	.35(8.88)	.825(20.94)	.38(9.64)	.94(23.86)
.027	.27(6.85)	.625(15.86)	.29(7.36)	.748(18.98)	.36(9.14)	.94(23.86)	.39(9.9)	1.18(29.95)
.033	.27(6.85)	.625(15.86)	.29(7.36)	.748(18.98)	.36(9.14)	.94(23.86)	.39(9.9)	1.18(29.95)
.039	.28(7.11)	.748(18.98)	.31(7.87)	.748(18.98)	.40(10.15)	.94(23.86)	.45(11.42)	1.18(29.95)
.047	.28(7.11)	.748(18.98)	.31(7.87)	.748(18.98)	.40(10.15)	.94(23.86)	.45(11.42)	1.18(29.95)
.056	.30(7.61)	.748(18.98)	.30(7.61)	.94(23.86)	.41(10.41)	1.18(29.95)	.51(12.94)	1.34(34.01)
.068	.30(7.61)	.748(18.98)	.30(7.61)	.94(23.86)	.41(10.41)	1.18(29.95)	.51(12.94)	1.34(34.01)
.082	.31(7.87)	.94(23.86)	.34(8.63)	.94(23.86)	.45(11.42)	1.18(29.95)	.58(14.72)	1.46(37.05)
.1	.31(7.87)	.94(23.86)	.34(8.63)	.94(23.86)	.45(11.42)	1.18(29.95)	.58(14.72)	1.46(37.05)
.12	.35(8.88)	.94(23.86)	.39(9.9)	.94(23.86)	.49(12.44)	1.34(34.01)		
.15	.35(8.88)	.94(23.86)	.39(9.9)	.94(23.86)	.49(12.44)	1.34(34.01)		
.18	.405(10.28)	1.023(25.96)	.44(11.17)	1.28(29.95)	.55(13.96)	1.46(37.05)		
.22	.405(10.28)	1.023(25.96)	.44(11.17)	1.18(29.95)	.55(13.96)	1.46(37.05)		
.27	.448(11.37)	1.18(29.95)	.52(13.2)	1.34(34.01)				
.33	.448(11.37)	1.18(29.95)	.52(13.2)	1.34(34.01)				
.39	.505(12.82)	1.34(34.01)						
.47	.505(12.82)	1.34(34.01)						



d = LEAD DIAMETERS

— .024(.6) FOR BODY DIAMETERS UP TO .5"
— .032(.8) FOR ALL OTHERS

metallized polyester capacitors 105

Remove Watermark Now

- Axial Lead Metallized Polyester Film
- Polyester Wrap and Epoxy End Fill
- Low Dissipation Factor
- Manufactured In U.S.A.

- Self Healing, Extended Foil, Non-Inductive
- Miniature Size and Light Weight
- Available Taped and Reeled
- Specials Available Upon Request

CAPACITANCE VALUES: .01 to 10 MFD, Above on Request

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F)
Below 5% Special

WORKING VOLTS: 100/63, 250/160, 400/200, 630/220, Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.5 x Vdc for 1 min.
TERMINATIONS TO CASE: 2500 VAC
LIFE-TEST: 1.4 x Vdc at 85°C for 250 hrs.

DISSIPATION FACTOR: (tan δ) < .75% at 1 KHZ at 25°C,
.55% Typical

OPERATING TEMP. RANGE: -40°C to +85°C. Derate voltage
1.5%/°C to +125°C

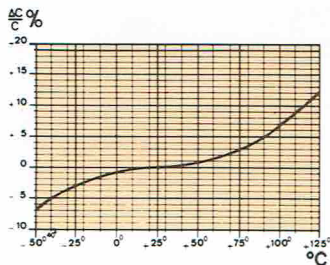
INSULATION RESISTANCE: Measured at 100 Vdc; 25°C
> 10,000 Megohms or 2500 Sec (MFD x Megohms)
for Vdc = 100V (Whichever is lower)
> 15,000 Megohms or 5000 Sec (MFD x Megohms)
for Vdc > 100V (Whichever is lower)

TEMP. COEFF.: See graph, approx. +400 (±200) PPM/°C

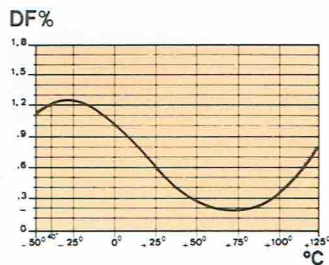
MAX. PULSE RISETIMES: VDC 100 250 400 630
Tr(V/μS) 10 15 20 25

SELF INDUCTANCE: Approx. 10nH/.4" (10) of case length
CONSTRUCTION DATA:

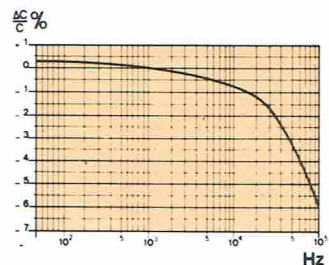
Tubular, Axial, Polyester Wrap and Epoxy End Fill
with Tinned Copperweld or Tinned Copper Leads



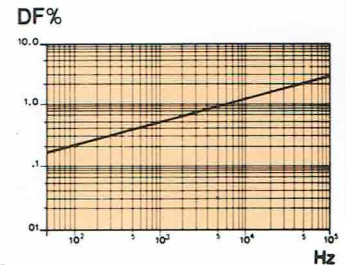
Capacitance vs. temperature.



Dissipation factor vs. temperature.



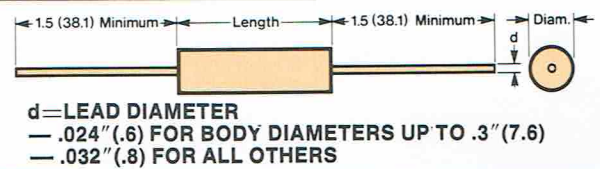
Capacitance vs. frequency.



Dissipation factor vs. frequency.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	100Vdc/63Vac		250Vdc/160Vac		400Vdc/200Vac		630Vdc/220Vac	
	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH
.01							.27(6.9)	.60(15.2)
.012							.27(6.9)	.60(15.2)
.015							.27(6.9)	.60(15.2)
.018							.27(6.9)	.60(15.2)
.022							.27(6.9)	.60(15.2)
.027							.31(7.9)	.60(15.2)
.033					.24(6.1)	.60(15.2)	.24(6.1)	.80(20.3)
.039					.24(6.1)	.60(15.2)	.26(6.6)	.80(20.3)
.047					.27(6.9)	.60(15.2)	.29(7.4)	.80(20.3)
.056					.30(7.6)	.60(15.2)	.32(8.1)	.80(20.3)
.068			.24(6.1)	.60(15.2)	.24(6.1)	.80(20.3)	.34(8.6)	.80(20.3)
.082			.24(6.1)	.60(15.2)	.27(6.9)	.80(20.3)	.38(9.7)	.80(20.3)
.1			.25(6.4)	.60(15.2)	.30(7.6)	.80(20.3)	.40(10.2)	1.14(29.0)
.12			.26(6.6)	.60(15.2)	.32(8.1)	.80(20.3)	.49(12.4)	1.14(29.0)
.15	.24(6.1)	.60(15.2)	.30(7.6)	.60(15.2)	.33(8.4)	.80(20.3)	.57(14.5)	1.14(29.0)
.18	.24(6.1)	.60(15.2)	.32(8.1)	.60(15.2)	.35(8.9)	.80(20.3)	.60(15.2)	1.14(29.0)
.22	.25(6.4)	.60(15.2)	.29(7.4)	.80(20.3)	.35(8.9)	1.14(29.0)	.64(16.3)	1.14(29.0)
.27	.28(7.1)	.60(15.2)	.31(7.9)	.80(20.3)	.37(9.4)	1.14(29.0)	.66(16.8)	1.14(29.0)
.33	.30(7.6)	.60(15.2)	.33(8.4)	.80(20.3)	.39(9.9)	1.14(29.0)	.54(13.7)	1.34(34.0)
.39	.24(6.1)	.80(20.3)	.36(9.2)	.80(20.3)	41(10.4)	1.14(29.0)	.60(15.2)	1.34(34.0)
.47	.25(6.4)	.80(20.3)	.39(9.9)	.80(20.3)	.44(11.1)	1.34(34.0)	.70(17.8)	1.34(34.0)
.56	.28(7.1)	.80(20.3)	.42(10.7)	.80(20.3)	.48(12.2)	1.34(34.0)		
.68	.30(7.6)	.80(20.3)	.38(9.7)	1.14(29.0)	.52(13.2)	1.34(34.0)		
.82	.33(8.4)	.80(20.3)	.41(10.4)	1.14(29.0)	.56(14.2)	1.34(34.0)		
1.0	.36(9.2)	.80(20.3)	.43(10.9)	1.14(29.0)	.62(15.7)	1.34(34.0)		
1.2	.40(10.2)	.80(20.3)	.45(11.4)	1.14(29.0)	.67(17.0)	1.34(34.0)		
1.5	.33(8.4)	1.14(29.0)	.50(12.7)	1.34(34.0)	.75(19.1)	1.34(34.0)		
1.8	.36(9.1)	1.14(29.0)	.53(13.5)	1.34(34.0)	.84(21.3)	1.34(34.0)		
2.2	.39(9.9)	1.14(29.0)	.57(14.5)	1.34(34.0)	.90(22.9)	1.34(34.0)		
2.7	.44(11.1)	1.14(29.0)	.59(15.0)	1.34(34.0)				
3.3	.48(12.2)	1.14(29.0)	.59(15.0)	1.87(47.5)				
3.9	.52(13.2)	1.14(29.0)	.63(16.0)	1.87(47.5)				
4.7	.51(12.9)	1.34(34.0)	.70(17.8)	1.87(47.5)				
5.6	.56(14.2)	1.34(34.0)	.73(18.5)	1.87(47.5)				
6.8	.61(15.5)	1.34(34.0)	.75(19.1)	1.87(47.5)				
8.2	.67(17.0)	1.34(34.0)	.79(20.0)	1.87(47.5)				
10.0	.74(18.8)	1.34(34.0)	.85(21.6)	1.87(47.5)				



SEACOR PART #MMWA — PLEASE NOTE WHEN ORDERING.
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.



Seacor Inc.

123 Woodland Ave.
Westwood, N.J. 07675
201-666-5600 Telex 135354

TGW polyester foil capacitors

Remove Watermark Now

- Radial Lead Polyester Film
- Epoxy Coated Miniature Size
- Welded Lead Construction

CAPACITANCE VALUES: .001 MFD to .47 MFD

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F),

WORKING VOLTS DC: 100 Vdc

TEST VOLTS: BETWEEN TERMINATIONS: 2.5 x Vdc for 1 min.
LIFE TEST: 1.4 x Vdc at 85°C for 250 hrs.

TEMP. COEFF.: Approximately +600 PPM/°C

DISSIPATION FACTOR: (tan δ): <.75% @ 1 KHz @ 25°C

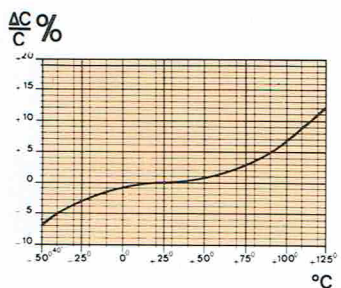
INSULATION RESISTANCE:

> 20,000 Megohms or 2000 Sec (MFD x Megohms)
(whichever is lower)

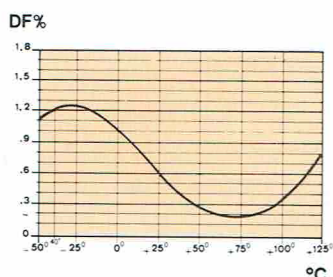
OPERATING TEMP. RANGE: -55°C to 125°C

CONSTRUCTION DATA:

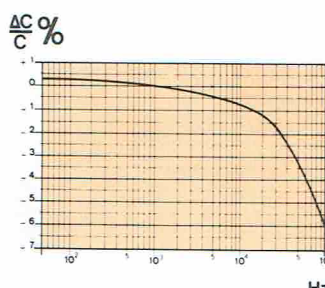
Flat, Rectangular with Radial Tinned Copper Leads.
Vacuum Dipped Epoxy Resin Coating. Lead Welded to Foil



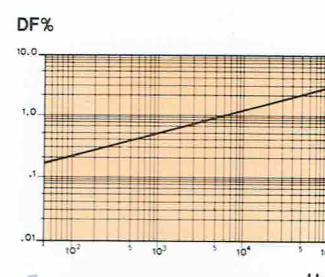
Capacitance vs. temperature.



Dissipation factor vs. temperature.



Capacitance vs. frequency.

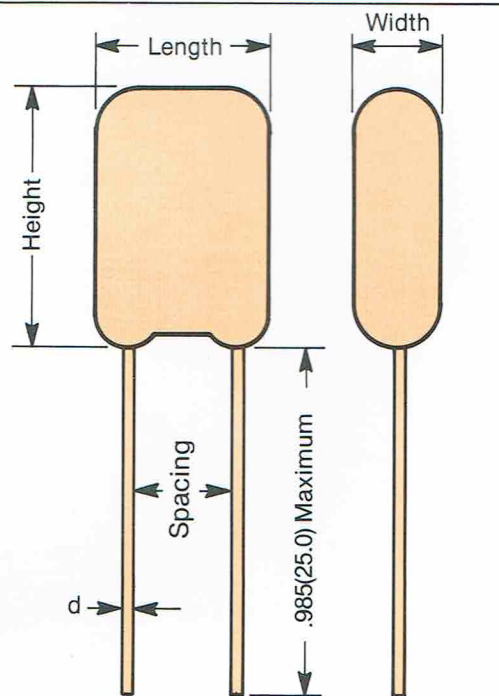


Dissipation factor vs. frequency.

**SEACOR PART #MFDW — PLEASE NOTE WHEN ORDERING.
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.**

BOLDFACE TYPE INDICATES PREFERRED VALUES—ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS)

CAPACITY MFD	100 Vdc			
	LENGTH	HEIGHT	WIDTH	SPACING ± TOL.
.001	.217(5.5)	.472(12.0)	.098(2.5)	.118(3.0) ± .020(0.5)
.0012	.217(5.5)	.472(12.0)	.098(2.5)	.118(3.0) ± .020(0.5)
.0015	.217(5.5)	.472(12.0)	.098(2.5)	.118(3.0) ± .020(0.5)
.0018	.217(5.5)	.472(12.0)	.098(2.5)	.118(3.0) ± .020(0.5)
.0022	.217(5.5)	.472(12.0)	.098(2.5)	.118(3.0) ± .020(0.5)
.0027	.217(5.5)	.472(12.0)	.098(2.5)	.118(3.0) ± .020(0.5)
.0033	.217(5.5)	.472(12.0)	.098(2.5)	.118(3.0) ± .020(0.5)
.0039	.217(5.5)	.472(12.0)	.098(2.5)	.138(3.5) ± .020(0.5)
.0047	.217(5.5)	.472(12.0)	.098(2.5)	.138(3.5) ± .020(0.5)
.0056	.236(6.0)	.472(12.0)	.118(3.0)	.138(3.5) ± .020(0.5)
.0068	.236(6.0)	.472(12.0)	.118(3.0)	.138(3.5) ± .020(0.5)
.0082	.256(6.5)	.472(12.0)	.138(3.5)	.150(3.8) ± .020(0.5)
.01	.256(6.5)	.472(12.0)	.138(3.5)	.150(3.8) ± .020(0.5)
.012	.276(7.0)	.472(12.0)	.138(3.5)	.157(4.0) ± .039(1.0)
.015	.276(7.0)	.472(12.0)	.138(3.5)	.157(4.0) ± .039(1.0)
.018	.295(7.5)	.472(12.0)	.157(4.0)	.177(4.5) ± .039(1.0)
.022	.295(7.5)	.472(12.0)	.157(4.0)	.177(4.5) ± .039(1.0)
.027	.315(8.0)	.472(12.0)	.157(4.0)	.197(5.0) ± .039(1.0)
.033	.315(8.0)	.472(12.0)	.157(4.0)	.197(5.0) ± .039(1.0)
.039	.354(9.0)	.472(12.0)	.177(4.5)	.216(5.5) ± .039(1.0)
.047	.354(9.0)	.472(12.0)	.177(4.5)	.216(5.5) ± .039(1.0)
.056	.394(10.0)	.512(13.0)	.197(5.0)	.256(6.5) ± .039(1.0)
.068	.394(10.0)	.512(13.0)	.197(5.0)	.256(6.5) ± .039(1.0)
.082	.472(12.0)	.512(13.0)	.236(6.0)	.295(7.5) ± .039(1.0)
.1	.472(12.0)	.512(13.0)	.236(6.0)	.295(7.5) ± .039(1.0)
.12	.512(13.0)	.630(16.0)	.276(7.0)	.315(8.0) ± .059(1.5)
.15	.512(13.0)	.630(16.0)	.276(7.0)	.315(8.0) ± .059(1.5)
.18	.512(13.0)	.709(18.0)	.315(8.0)	.335(8.5) ± .059(1.5)
.22	.512(13.0)	.709(18.0)	.315(8.0)	.335(8.5) ± .059(1.5)
.27	.669(17.0)	.788(20.0)	.394(10.0)	.394(10.0) ± .059(1.5)
.33	.669(17.0)	.788(20.0)	.394(10.0)	.394(10.0) ± .059(1.5)
.39	.709(18.0)	.788(20.0)	.472(12.0)	.433(11.0) ± .059(1.5)
.47	.709(18.0)	.788(20.0)	.472(12.0)	.433(11.0) ± .059(1.5)



d = Lead Diameter
 —.016(.4) for Body Lengths up to .256(6.5)
 —.020(.5) for Body Lengths up to .51(13)
 —.024(.6) for Body Lengths up to .71(18)

polypropylene film & foil capacitors 123 ^{-7.5} ₋₁₀ ₁₅

Remove Watermark Now

- Radial Lead Extended Foil Construction
- Negative Temperature Coefficient
- Can Be Used In Critical Circuits
- Flameproof Epoxy Coating

- Can Withstand Automatic Flow Solder Process
- Very Low Dissipation Factor
- Excellent Long Term Stability
- Popular Values Available From Stock

CAPACITANCE VALUES: .0001 to .1 MFD.

TOLERANCES: 10%(K), 5%(J), 2½%(H), 2%(G), and 1%(F) or ± 1PF

WORKING VOLTS: 160, 250, 400, 630 Vdc.

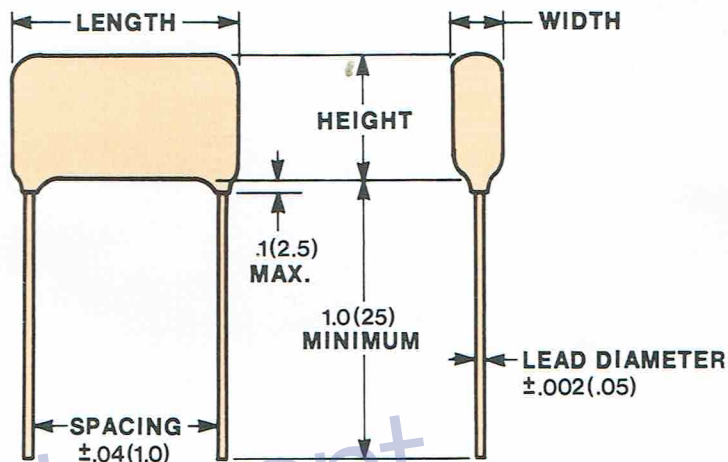
TEST VOLTS: Between termination: 2.0 x Vdc for 1 min.
Life Test: 1.5 x Vdc at 85 °C for 250 hrs.

TEMP. COEFF.: < -350 PPM/°C over range -45 °C to 105 °C.
< -200 PPM/°C over range 0° to 50 °C.

DISSIPATION FACTOR: (tan δ): < .1% @ 1KHz @ 25 °C.

INSULATION RESISTANCE: 100,000 Megohms at 25 °C.

OPERATING TEMP. RANGE: -40 °C to 105 °C.



Note: Lead Diameter: .026(.65) for 123-7.5 & -10
.032(.8) for 123-15

SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS)

TYPE 123-7.5 SPACING: .295 (7.5) SEACOR PART #PFDS — PLEASE NOTE WHEN ORDERING.												
CAPACITY MFD	160 Vdc			250 Vdc			400 Vdc			630 Vdc		
	Width	Height	Length	Width	Height	Length	Width	Height	Length	Width	Height	Length
.0001-.0047 .0056-.0082 .01-.015	.157(4.0)	.315(8.0)	.394(10.0)	.157(4.0)	.315(8.0)	.394(10.0)	.157(4.0)	.315(8.0)	.394(10.0)			

TYPE 123-10 SPACING .394 (10.0) SEACOR PART #PFDR — PLEASE NOTE WHEN ORDERING.												
CAPACITY MFD	160 Vdc			250 Vdc			400 Vdc			630 Vdc		
	Width	Height	Length	Width	Height	Length	Width	Height	Length	Width	Height	Length
.001-.0022 .0027-.0047 .0056-.0082 .01-.027 .033-.047	.157(4.0) .197(5.0)	.354(9.0) .433(11.0)	.492(12.5) .512(13.0)	.157(4.0)	.354(9.0)	.492(12.5)	.157(4.0)	.354(9.0)	.492(12.5)	.157(4.0)	.354(9.0)	.492(12.5)

TYPE 123-15 SPACING .591 (15.0) SEACOR PART #PFDR — PLEASE NOTE WHEN ORDERING.												
CAPACITY MFD	160 Vdc			250 Vdc			400 Vdc			630 Vdc		
	Width	Height	Length	Width	Height	Length	Width	Height	Length	Width	Height	Length
.056-.068 .082-.1	.197(5.0) .236(6.0)	.433(11.0) .472(12.0)	.708(18.0) .708(18.0)									

FMT polyester film & foil capacitors

Remove Watermark Now

- Radial Lead Polyester Film & Foil
- Low Dissipation Factor
- Excellent Electrical Characteristics

- Extended Foil, Non-inductive
- Miniature Size & Light Weight
- Specials Available Upon Request

CAPACITANCE VALUES: .001 to .33 MFD, Above on Request

TOLERANCES: 20% (M), 10% (K), Below 10% Special

WORKING VOLTS: 100/50, 200/100, 400/160, 600/180, Vdc/Vac

TEST VOLTS: BETWEEN TERMINATION: 2.5 x Vdc for 5 sec.
TERMINATIONS TO CASE: 1500 VAC
LIFE TEST: 1.5 x Vdc at 85°C for 250 hrs.

DISSIPATION FACTOR: (tan δ): < .75% @ 1KHZ at 25°C, .55% typical

INSULATION RESISTANCE: > 50,00Q Megohms @ 25°C

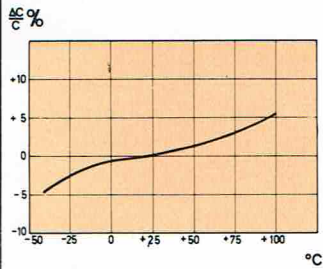
OPERATING TEMP. RANGE: -55°C to 85°C
Voltage 1.5/°C above 85°C to 125°C

TEMP. COEF.: See graph, approx. +400 (±200) PPM/°C

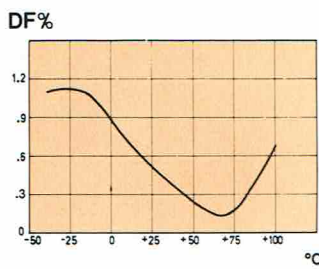
SELF INDUCTANCE: Approx. 10nH/.4" (10) of case length

CONSTRUCTION DATA:

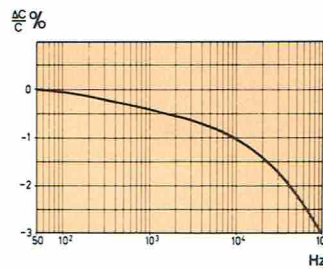
Non-inductively wound, polyester film and foil, welded radial, tinned copper leads, double epoxy coated (first coat under vacuum)



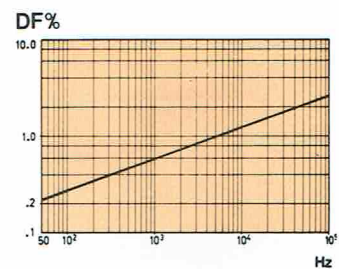
Capacitance vs. temperature.



Dissipation factor vs. temperature.



Capacitance vs. frequency.



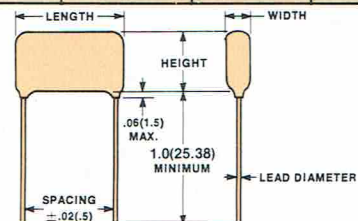
Dissipation factor vs. frequency.

SEACOR PART #MFD — PLEASE NOTE WHEN ORDERING.
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES
COLOR BARS IDENTIFY COMMON LENGTH AND LEAD SPACING.

CAPACITY MFD	100Vdc/50Vac		200Vdc/100Vac		400Vdc/160Vac		600Vdc/180Vac		LENGTH	SPACING
	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		
.001	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.24(6.09)	.38(9.64)	.26(6.6)	.38(9.64)	.52 (13.20)	.4 (10.2)
.0012	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.24(6.09)	.38(9.64)	.26(6.6)	.38(9.64)		
.0015	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.24(6.09)	.38(9.64)	.26(6.6)	.38(9.64)		
.0018	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.24(6.09)	.38(9.64)	.26(6.6)	.38(9.64)		
.0022	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.24(6.09)	.38(9.64)	.26(6.6)	.38(9.64)		
.0027	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.24(6.09)	.38(9.64)	.27(6.85)	.4(10.15)		
.0033	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.24(6.09)	.38(9.64)	.27(6.85)	.4(10.15)		
.0039	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.25(6.35)	.4(10.15)	.3(7.61)	.42(10.66)		
.0047	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.25(6.35)	.4(10.15)	.3(7.61)	.42(10.66)		
.0056	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.27(6.85)	.41(10.41)	.33(8.38)	.44(11.17)		
.0068	.23(5.84)	.38(9.64)	.23(5.84)	.38(9.64)	.27(6.85)	.41(10.41)	.33(8.38)	.44(11.17)		
.0082	.23(5.84)	.38(9.64)	.23(5.84)	.39(9.9)	.30(7.61)	.44(11.17)	.35(8.88)	.45(11.42)	.81 (20.56)	.59 (15.0)
.01	.23(5.84)	.38(9.64)	.23(5.84)	.39(9.9)	.30(7.61)	.44(11.17)	.35(8.88)	.45(11.42)		
.012	.23(5.84)	.39(9.9)	.23(5.84)	.39(9.9)	.33(8.38)	.46(11.67)	.35(8.88)	.7(17.77)		
.015	.23(5.84)	.39(9.9)	.23(5.84)	.39(9.9)	.33(8.38)	.46(11.67)	.35(8.88)	.7(17.77)		
.018	.22(5.58)	.41(10.41)	.24(6.09)	.44(11.17)	.34(8.63)	.45(11.42)	.38(9.64)	.75(19.04)		
.022	.22(5.58)	.41(10.41)	.24(6.09)	.44(11.17)	.34(8.63)	.45(11.42)	.38(9.64)	.75(19.04)		
.027	.23(5.84)	.44(11.17)	.3(7.61)	.43(10.91)	.36(9.14)	.7(17.77)	.37(9.39)	.56(14.21)		
.033	.23(5.84)	.44(11.17)	.3(7.61)	.43(10.91)	.36(9.14)	.7(17.77)	.37(9.39)	.56(14.21)		
.039	.23(5.84)	.47(11.93)	.31(7.87)	.44(11.17)	.4(10.15)	.72(18.27)	.42(10.66)	.65(16.5)		
.047	.23(5.84)	.47(11.93)	.31(7.87)	.44(11.17)	.4(10.15)	.72(18.27)	.42(10.66)	.65(16.5)		
.056	.31(7.87)	.43(10.91)	.35(8.88)	.47(11.93)	.38(9.64)	.66(16.75)	.45(11.42)	.7(17.77)	1.2 (30.46)	.96 (24.4)
.068	.31(7.87)	.43(10.91)	.35(8.88)	.47(11.93)	.38(9.64)	.66(16.75)	.45(11.42)	.7(17.77)		
.082	.35(8.88)	.49(12.44)	.38(9.64)	.72(18.27)	.44(11.17)	.75(19.04)	.45(11.42)	.7(17.77)		
.1	.35(8.88)	.49(12.44)	.38(9.64)	.72(18.27)	.44(11.17)	.75(19.04)	.45(11.42)	.7(17.77)		
.12	.38(9.64)	.75(19.04)	.44(11.17)	.8(20.30)						
.15	.38(9.64)	.75(19.04)	.44(11.17)	.8(20.30)						
.18	.34(8.63)	.60(15.23)	.43(10.91)	.68(17.26)						
.22	.34(8.63)	.60(15.23)	.43(10.91)	.68(17.26)						
.27	.38(9.64)	.70(17.77)								
.33	.38(9.64)	.70(17.77)								

d = Lead Diameter
 —.024(.6) for .52(13.20) length
 —.032(.8) for .81(20.56) length
 —.040(1.0) for 1.2(30.46) length



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metallized polyester capacitors 106

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- Radial Lead Metallized Polyester Film
- Low Dissipation Factor
- Excellent Electrical Characteristics

- Self Healing, Extended Foil, Non-inductive
- Miniature Size and Light Weight
- Specials Available Upon Request

CAPACITANCE VALUES: .01 to 2.2 MFD, Above on Request

TOLERANCES: 20% (M), 10% (K), 5% (J), Below 5% Special

WORKING VOLTS: 250/160, 400/200, 630/220, Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.5 x Vdc for 1 min.
TERMINATIONS TO CASE: 1500 VAC
LIFE TEST: 1.4 x Vdc at 85°C for 250 hrs.

DISSIPATION FACTOR: (tan δ): < 1.0% @ 1 KHZ at 25°C,
.75% typical

INSULATION RESISTANCE:

> 30,000 Megohms for C ≤ .33 MFD
> 10,000 Sec (MFD x Megohms) for C > .33 MFD.

OPERATING TEMP. RANGE:

-55°C to 85°C. Derate Voltage 1.5%/°C above 85° to 100°C

TEMP. COEF.:

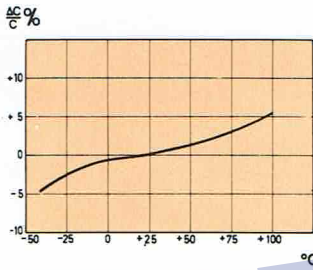
See graph approx. +400 (±200) PPM/°C

SELF INDUCTANCE:

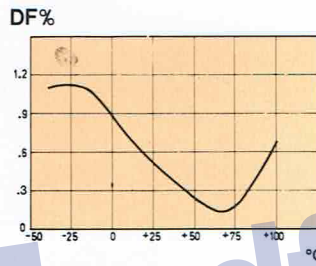
Approx. 10nH/.4" (10) of case length

CONSTRUCTION DATA:

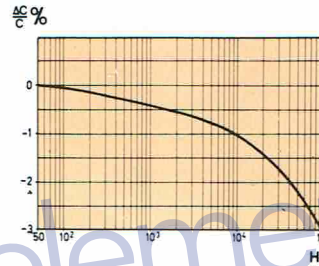
Non-inductively wound, welded radial, tinned copper leads, double epoxy coated (first coat under vacuum). Crimped and or cut leads available upon request.



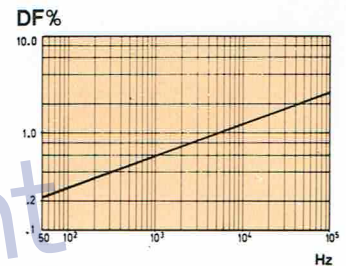
Capacitance vs. temperature.



Dissipation factor vs. temperature.



Capacitance vs. frequency.



Dissipation factor vs. frequency.

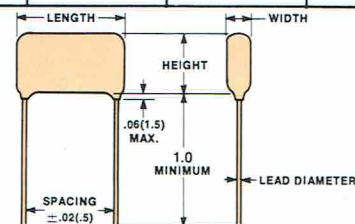
SEACOR PART #MMDR — PLEASE NOTE WHEN ORDERING.

SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.

**ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES
COLOR BARS IDENTIFY COMMON LENGTH AND LEAD SPACING.**

CAPACITY MFD	250Vdc/160Vac		400Vdc/200Vac		630Vdc/220Vac		LENGTH	SPACING
	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		
.01	.18(4.57)	.394(10.0)	.18(4.57)	.394(10.0)	.18(4.57)	.349(8.86)	.52	.4
.012	.18(4.57)	.394(10.0)	.18(4.57)	.394(10.0)	.197(4.57)	.349(8.86)		
.015	.18(4.57)	.394(10.0)	.18(4.57)	.394(10.0)	.197(5.0)	.349(8.86)		
.018	.197(4.57)	.394(10.0)	.18(4.57)	.394(10.0)	.24(6.09)	.43(10.91)		
.022	.197(4.57)	.394(10.0)	.18(4.57)	.394(10.0)	.24(6.09)	.43(10.91)	.712	.6
.027	.197(4.57)	.394(10.0)	.24(6.09)	.430(10.91)	.24(6.09)	.43(10.91)		
.033	.197(4.57)	.394(10.0)	.24(6.09)	.430(10.91)	.24(6.09)	.43(10.91)	(18.07)	(15.2)
.039	.218(5.53)	.394(10.0)	.26(6.6)	.430(10.91)	.281(7.13)	.469(11.9)		
.047	.218(5.53)	.394(10.0)	.26(6.6)	.430(10.91)	.281(7.13)	.469(11.9)		
.056	.218(5.53)	.394(10.0)	.26(6.6)	.430(10.91)	.260(6.6)	.469(11.9)		
.068	.218(5.53)	.394(10.0)	.26(6.6)	.430(10.91)	.260(6.6)	.469(11.9)	.930	.8
.082	.24(6.09)	.43(10.91)	.281(7.13)	.469(11.9)	.298(7.56)	.531(13.5)		
.1	.24(6.09)	.43(10.91)	.281(7.13)	.469(11.9)	.298(7.56)	.531(18.5)	(23.6)	(20.3)
.12	.24(6.09)	.43(10.91)	.281(7.13)	.469(11.9)	.382(9.7)	.568(14.42)		
.15	.24(6.09)	.43(10.91)	.281(7.13)	.469(11.9)	.382(9.7)	.568(14.42)		
.18	.281(7.13)	.469(11.9)	.320(8.12)	.528(13.4)	.398(10.1)	.63(15.99)		
.22	.281(7.13)	.469(11.9)	.320(8.12)	.528(13.4)	.398(10.1)	.63(15.99)	1.22	1.05
.27	.281(7.13)	.595(15.1)	.398(10.1)	.588(14.92)	.453(11.5)	.702(17.82)		
.33	.281(7.13)	.595(15.1)	.398(10.1)	.588(14.92)	.453(11.5)	.702(17.82)		
.39	.320(8.12)	.650(16.5)	.398(10.1)	.688(17.46)	.512(12.49)	.785(19.92)		
.47	.320(8.12)	.650(16.5)	.398(10.1)	.688(17.46)	.512(12.99)	.785(19.92)	(30.96)	(26.65)
.56	.382(9.70)	.698(17.72)	.438(11.12)	.732(18.58)				
.68	.382(9.70)	.698(17.72)	.438(11.12)	.732(18.58)				
.82	.382(9.70)	.626(15.89)	.525(13.32)	.86(21.83)				
1.0	.382(9.70)	.626(15.89)	.525(13.32)	.86(21.83)				
1.2	.416(10.56)	.702(17.82)						
1.5	.416(10.56)	.702(17.82)						
1.8	.538(13.65)	.860(21.83)						
2.2	.538(13.65)	.860(21.83)						

NOTE: Lead diam. .024(.6) for .52(13.2) length, all other lengths .032(.8) lead diam.



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- Excellent Long-Term Stability

- Extended Foil. Non Inductive
- Available Tape & Reel
- High Insulation & Moisture Resistance

CAPACITANCE VALUES: .001 to .33 MFD

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F), Below 5% Special

WORKING VOLTS DC: 100, 200, 400, 600 Vdc

TEST VOLTS: Between Termination: 2.5 Vdc for 5 sec.
Life Test: 1.5 x Vdc at 85 °C for 250 hrs.

DISSIPATION FACTOR: (tan δ): <0.2% @ 1 KHz @ 25 °C

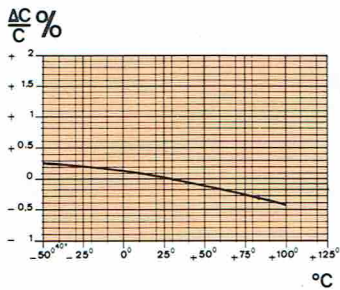
INSULATION RESISTANCE: 10,000 megohm minimum at 25 °C

OPERATING TEMP. RANGE: - 40 °C to 85 °C

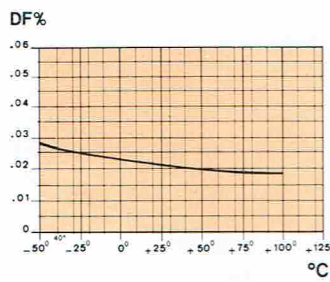
TEMP. COEFF.: See Graph. Approx. - 290 (± 75) PPM/ °C

SELF INDUCTANCE: Approx. 10nH/.4" (10) of case length

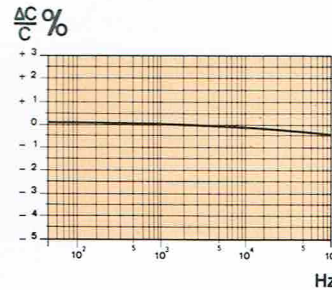
CONSTRUCTION DATA: Tubular, axial tinned copper leads; polyester wrap, epoxy end fill.



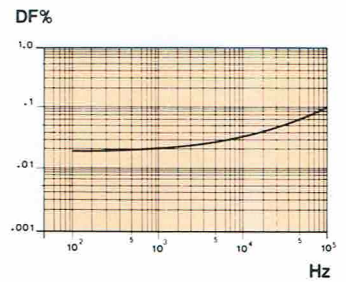
Capacitance vs. temperature.



Dissipation factor vs. temperature.



Capacitance vs. frequency.



Dissipation factor vs. frequency.

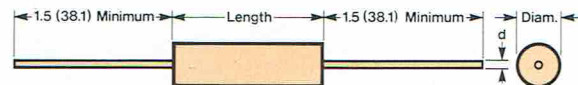
SEACOR PART #PFWA — PLEASE NOTE WHEN ORDERING.

SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	100 Vdc		200 Vdc		400 Vdc		600 Vdc	
	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH
.001	.177(4.5)	.472(12.0)	.177(4.5)	.472(12.0)	.177(4.5)	.472(12.0)	.177(4.5)	.551(14.0)
.0012	.177(4.5)	.472(12.0)	.177(4.5)	.472(12.0)	.197(4.5)	.472(12.0)	.177(4.5)	.551(14.0)
.0015	.177(4.5)	.472(12.0)	.177(4.5)	.472(12.0)	.197(5.0)	.472(12.0)	.177(4.5)	.551(14.0)
.0018	.197(5.0)	.472(12.0)	.197(5.0)	.472(12.0)	.197(5.0)	.472(12.0)	.197(5.0)	.551(14.0)
.0022	.197(5.0)	.472(12.0)	.197(5.0)	.472(12.0)	.197(5.0)	.472(12.0)	.197(5.0)	.551(14.0)
.0027	.197(5.0)	.472(12.0)	.197(5.0)	.472(12.0)	.217(5.5)	.590(15.0)	.236(6.0)	.630(16.0)
.0033	.197(5.0)	.472(12.0)	.197(5.0)	.472(12.0)	.217(5.5)	.590(15.0)	.236(6.0)	.630(16.0)
.0039	.217(5.5)	.472(12.0)	.217(5.5)	.472(12.0)	.236(6.0)	.590(15.0)	.256(6.5)	.630(16.0)
.0047	.217(5.5)	.472(12.0)	.217(5.5)	.472(12.0)	.256(6.5)	.590(15.0)	.276(7.0)	.748(19.0)
.0056	.217(5.5)	.472(12.0)	.217(5.5)	.472(12.0)	.256(6.5)	.590(15.0)	.276(7.0)	.748(19.0)
.0068	.217(5.5)	.472(12.0)	.217(5.5)	.472(12.0)	.256(6.5)	.590(15.0)	.276(7.0)	.748(19.0)
.0082	.236(6.0)	.590(15.0)	.236(6.0)	.590(15.0)	.256(6.5)	.630(16.0)	.315(8.0)	.748(19.0)
.01	.236(6.0)	.590(15.0)	.236(6.0)	.590(15.0)	.256(6.5)	.630(16.0)	.315(8.0)	.748(19.0)
.012	.256(6.5)	.590(15.0)	.256(6.5)	.590(15.0)	.276(7.0)	.630(16.0)	.354(9.0)	.866(22.0)
.015	.256(6.5)	.590(15.0)	.256(6.5)	.590(15.0)	.276(7.0)	.630(16.0)	.354(9.0)	.866(22.0)
.018	.276(7.0)	.590(15.0)	.276(7.0)	.590(15.0)	.295(7.5)	.630(16.0)	.394(10.0)	1.024(26.0)
.022	.276(7.0)	.590(15.0)	.276(7.0)	.590(15.0)	.295(7.5)	.630(16.0)	.394(10.0)	1.024(26.0)
.027	.315(8.0)	.709(18.0)	.315(8.0)	.709(18.0)	.295(7.5)	.748(19.0)	.433(11.0)	1.260(32.0)
.033	.315(8.0)	.709(18.0)	.315(8.0)	.709(18.0)	.295(7.5)	.748(19.0)	.433(11.0)	1.260(32.0)
.039	.354(9.0)	.709(18.0)	.354(9.0)	.709(18.0)	.315(8.0)	.748(19.0)	.472(12.0)	1.260(32.0)
.047	.354(9.0)	.709(18.0)	.354(9.0)	.709(18.0)	.315(8.0)	.748(19.0)	.472(12.0)	1.260(32.0)
.056	.394(9.0)	.709(18.0)	.394(10.0)	.709(18.0)	.354(9.0)	.866(22.0)	.512(13.0)	1.420(36.0)
.068	.394(10.0)	.709(18.0)	.394(10.0)	.709(18.0)	.354(9.0)	.866(22.0)	.512(13.0)	1.420(36.0)
.082	.394(10.0)	.866(22.0)	.394(10.0)	.866(22.0)	.472(12.0)	1.024(26.0)	.591(15.0)	1.420(36.0)
.1	.394(10.0)	.866(22.0)	.394(10.0)	.866(22.0)	.472(12.0)	1.024(26.0)	.591(15.0)	1.420(36.0)
.12	.472(12.0)	1.020(26.0)	.472(12.0)	1.020(26.0)	.472(12.0)	1.26(32.0)		
.15	.472(12.0)	1.020(26.0)	.472(12.0)	1.020(26.0)	.472(12.0)	1.26(32.0)		
.18	.512(13.0)	1.020(26.0)	.512(13.0)	1.020(26.0)	.551(14.0)	1.26(32.0)		
.22	.512(13.0)	1.020(26.0)	.512(13.0)	1.020(26.0)	.551(14.0)	1.26(32.0)		
.27	.472(12.0)	1.260(32.0)	.472(12.0)	1.260(32.0)	.630(16.0)	1.42(36.0)		
.33	.472(12.0)	1.260(32.0)	.472(12.0)	1.260(32.0)	.630(16.0)	1.42(36.0)		

d = Lead Diameter—.024(.6) for all dia. up to .453(11.5)
—.032(.8) for all others



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- Available Taped and Reeled
- Specials Available Upon Request

CAPACITANCE VALUES: .01 to 10 MFD, Above on Request

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F)
Below 5% Special

WORKING VOLTS: 250, 400, 630, 1000 Vdc

TEST VOLTS: BETWEEN TERMINATIONS: 1.5 x Vdc for 1 min.
TERMINATIONS TO CASE 2500 VAC
LIFE-TEST: 1.4 x Vdc at 70°C for 250 hrs.

DISSIPATION FACTOR: (tan δ): < .1% at 1 KHZ at 25°C,
.05% Typical

INSULATION RESISTANCE: Measured at 100 Vdc, 25°C
> 100,000 Megohms or 50,000 Sec (MFD x Megohms)
(Whichever is lower)

OPERATING TEMP. RANGE: —40°C to + 70°C . Derate
voltage 1.5%/°C to +100°C

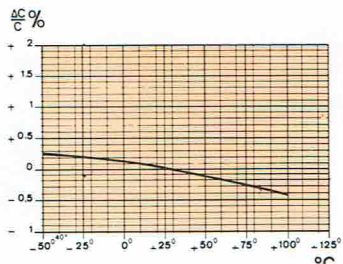
TEMP. COEFF.: See graph, approx. —100 (±20) PPM/°C

MAX. PULSE RISETIMES: VDC 100 250 400 630
Tr(V/μS) 10 15 20 25

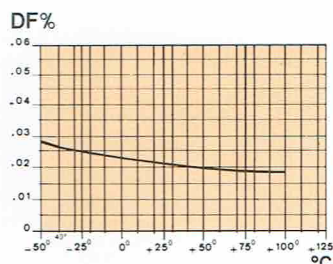
SELF INDUCTANCE: Approx. 10nH/.4" (10) of case length

CONSTRUCTION DATA:

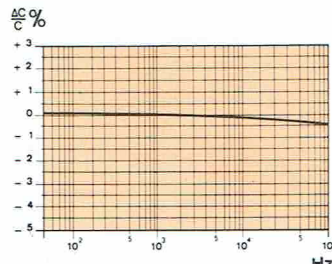
Tubular, Axial, Polyester Wrap and Epoxy End Fill
with Tinned Copperweld or Tinned Copper Leads



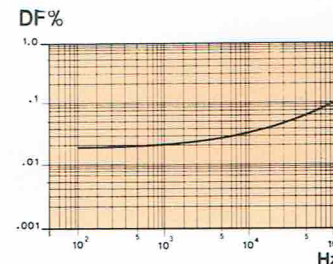
Capacitance vs. temperature.



Dissipation factor vs. temperature.



Capacitance vs. frequency.

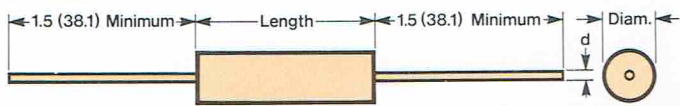


Dissipation factor vs. frequency.

SEACOR PART #PMWA — PLEASE NOTE WHEN ORDERING.
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	250 Vdc		400 Vdc		630 Vdc		1000 Vdc	
	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH
.01					.24(6.1)	.60(15.2)	.33(8.4)	.80(20.3)
.012					.24(6.1)	.60(15.2)	.35(8.9)	.80(20.3)
.015					.28(7.1)	.60(15.2)	.40(10.2)	.80(20.3)
.018					.30(7.6)	.60(15.2)	.44(11.2)	.80(20.3)
.022			.24(6.1)	.60(15.2)	.33(8.4)	.60(15.2)	.35(8.9)	1.14(29.0)
.027			.24(6.1)	.60(15.2)	.36(9.1)	.60(15.2)	.40(10.2)	1.14(29.0)
.033			.28(7.1)	.60(15.2)	.26(6.6)	.80(20.3)	.43(10.9)	1.14(29.0)
.039			.32(8.1)	.60(15.2)	.29(7.4)	.80(20.3)	.47(11.9)	1.14(29.0)
.047	.24(6.1)	.60(15.2)	.33(8.4)	.60(15.2)	.32(8.1)	.80(20.3)	.52(13.2)	1.14(29.0)
.056	.27(6.9)	.60(15.2)	.35(8.9)	.60(15.2)	.35(8.9)	.80(20.3)	.56(14.2)	1.14(29.0)
.068	.29(7.4)	.60(15.2)	.27(6.9)	.80(20.3)	.38(9.7)	.80(20.3)	.54(13.7)	1.34(34.0)
.082	.32(8.1)	.60(15.2)	.29(7.4)	.80(20.3)	.41(10.4)	.80(20.3)	.60(15.2)	1.34(34.0)
.1	.35(8.9)	.60(15.2)	.33(8.4)	.80(20.3)	.36(9.1)	1.14(29.0)	.66(16.8)	1.34(34.0)
.12	.39(9.9)	.60(15.2)	.36(9.1)	.80(20.3)	.40(10.1)	1.14(29.0)	.73(18.5)	1.34(34.0)
.15	.31(7.9)	.80(20.3)	.29(7.4)	1.14(29.0)	.44(11.1)	1.14(29.0)	.81(20.6)	1.34(34.0)
.18	.33(8.4)	.80(20.3)	.32(8.1)	1.14(29.0)	.48(12.2)	1.14(29.0)	.90(22.9)	1.34(34.0)
.22	.34(8.6)	.80(20.3)	.36(9.1)	1.14(29.0)	.53(13.5)	1.14(29.0)	.99(25.1)	1.34(34.0)
.27	.39(9.9)	.80(20.3)	.40(10.2)	1.14(29.0)	.60(15.2)	1.14(29.0)	1.09(27.7)	1.34(34.0)
.33	.45(11.4)	.80(20.3)	.44(11.2)	1.14(29.0)	.57(14.5)	1.34(34.0)	1.3(33.0)	1.34(34.0)
.39	.48(12.2)	.80(20.3)	.47(11.9)	1.14(29.0)	.62(15.7)	1.34(34.0)		
.47	.53(13.5)	.80(20.3)	.36(9.1)	1.34(34.0)	.68(17.3)	1.34(34.0)		
.56	.58(14.7)	.80(20.3)	.50(12.7)	1.34(34.0)				
.68	.47(11.9)	1.14(29.0)	.55(14.0)	1.34(34.0)				
.82	.52(13.2)	1.14(29.0)	.61(15.5)	1.34(34.0)				
1.0	.57(14.5)	1.14(29.0)	.67(17.0)	1.34(34.0)				
1.2	.63(15.0)	1.14(29.0)	.72(18.3)	1.34(34.0)				
1.5	.62(15.7)	1.34(34.0)	.80(20.3)	1.34(34.0)				
1.8	.67(17.0)	1.34(34.0)	.88(22.4)	1.34(34.0)				
2.2	.75(19.1)	1.34(34.0)	.89(22.6)	1.34(34.0)				
2.7	.81(20.6)	1.34(34.0)						
3.3	.73(18.5)	1.87(47.5)						
3.9	.79(20.0)	1.87(47.5)						
4.7	.87(22.1)	1.87(47.5)						
5.6	.95(24.1)	1.87(47.5)						
6.8	1.06(26.9)	1.87(47.5)						
8.2	1.16(29.5)	1.87(47.5)						
10.0	1.27(32.3)	1.87(47.5)						



d=LEAD DIAMETER — .024"(.6) FOR BODY DIAMETERS UP TO .3"(7.6)
— .032"(.8) FOR ALL OTHERS

112 metallized polycarbonate capacitors

Remove Watermark Now

- Axial Lead Metallized Polycarbonate Film
- Polyester Wrap and Epoxy End Fill
- Low Dissipation Factor and Low T.C.
- Manufactured In U.S.A.

- Self Healing, Extended Foil, Non-Inductive
- Miniature Size and Light Weight
- Available Taped and Reeled
- Specials Available Upon Request

CAPACITANCE VALUES: .01 to 10 MFD, Above on Request

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F)
Below 5% Special

WORKING VOLTS: 100/63, 250/160, 400/200,
630/220, Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.5 x Vdc for 1 min.
TERMINATIONS TO CASE: 2500 VAC
LIFE-TEST: 1.4 x Vdc at 85°C for 250 hrs.

DISSIPATION FACTOR: (tan δ) < .2% at 1 KHZ at 25°C,
.15% Typical

OPERATING TEMP. RANGE: - 40°C to +85°C. Derate voltage
1.5% / °C to +125°C

INSULATION RESISTANCE: Measured at 100V, 25°C
> 10,000 Megohms or 2500 Sec (MFD x Megohms)
for Vdc = 100V (Whichever is lower)
> 30,000 Megohms or 10,000 Sec (MFD x Megohms)
for Vdc > 100V (Whichever is lower)

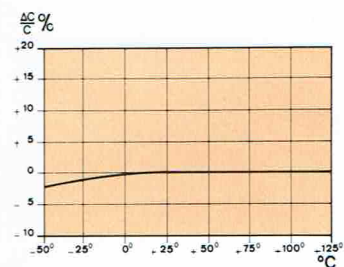
TEMP. COEFF.: See graph, approx. +150 (±50) PPM/°C

MAX. PULSE RISETIMES: VDC 100 250 400 630
Tr(V/μS) 10 15 20 25

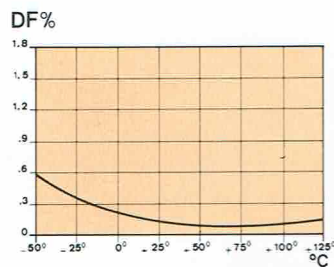
SELF INDUCTANCE: Approx. 10nH/.4" (10) of case length

CONSTRUCTION DATA:

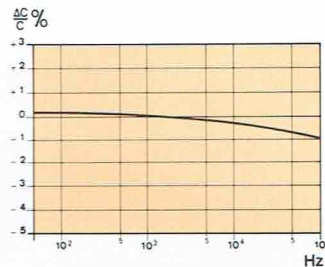
Tubular, Axial, Polyester Wrap and Epoxy End Fill
with Tinned Copperweld or Tinned Copper Leads



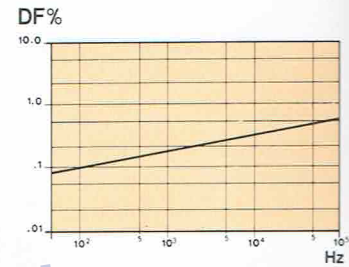
Capacitance vs. temperature.



Dissipation factor vs. temperature.



Capacitance vs. frequency.

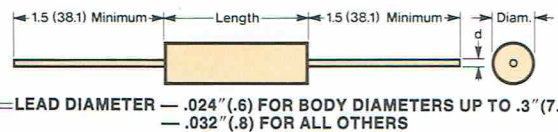


Dissipation factor vs. frequency.

SEACOR PART #CMWA — PLEASE NOTE WHEN ORDERING.
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	100 Vdc/63 Vac		250 Vdc/160 Vac		400 Vdc/200 Vac		630 Vdc/220 Vac	
	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH	DIAMETER	LENGTH
.01							.24(6.1)	.60(15.2)
.012							.24(6.1)	.60(15.2)
.015							.25(6.4)	.60(15.2)
.018							.29(7.4)	.60(15.2)
.022					.24(6.1)	.60(15.2)	.31(7.9)	.60(15.2)
.027					.24(6.1)	.60(15.2)	.34(8.6)	.60(15.2)
.033					.25(6.4)	.60(15.2)	.28(7.1)	.80(20.3)
.039					.28(7.1)	.60(15.2)	.30(7.6)	.80(20.3)
.047			.24(6.1)	.60(15.2)	.31(7.9)	.60(15.2)	.32(8.1)	.80(20.3)
.056			.25(6.4)	.60(15.2)	.33(8.4)	.60(15.2)	.35(8.9)	.80(20.3)
.068			.28(7.1)	.60(15.2)	.24(6.1)	.80(20.3)	.39(9.9)	.80(20.3)
.082			.31(7.9)	.60(15.2)	.28(7.1)	.80(20.3)	.42(10.7)	.80(20.3)
.1	.24(6.1)	.60(15.2)	.33(8.4)	.60(15.2)	.32(8.1)	.80(20.3)	.35(8.9)	1.14(29.0)
.12	.24(6.1)	.60(15.2)	.32(9.4)	.60(15.2)	.34(8.6)	.80(20.3)	.39(9.9)	1.14(29.0)
.15	.24(6.1)	.60(15.2)	.30(7.6)	.80(20.3)	.28(7.1)	1.14(29.0)	.42(10.7)	1.14(29.0)
.18	.27(6.7)	.60(15.2)	.32(8.1)	.80(20.3)	.30(7.6)	1.14(29.0)	.46(11.7)	1.14(29.0)
.22	.29(7.4)	.60(15.2)	.35(8.9)	.80(20.3)	.34(8.6)	1.14(29.0)	.51(13.0)	1.14(29.0)
.27	.32(8.1)	.60(15.2)	.39(9.9)	.80(20.3)	.37(9.4)	1.14(29.0)	.56(14.2)	1.14(29.0)
.33	.25(6.4)	.80(20.3)	.42(10.7)	.80(20.3)	.42(10.7)	1.14(29.0)	.55(14.0)	1.34(34.0)
.39	.26(6.6)	.80(20.3)	.46(11.7)	.80(20.3)	.45(11.4)	1.14(29.0)	.59(15.0)	1.34(34.0)
.47	.30(7.6)	.80(20.3)	.51(13.0)	.80(20.3)	.43(10.9)	1.34(34.0)	.65(16.5)	1.34(34.0)
.56	.33(8.4)	.80(20.3)	.55(14.0)	.80(20.3)	.46(11.7)	1.34(34.0)		
.68	.35(8.9)	.80(20.3)	.45(11.4)	1.14(29.0)	.53(13.5)	1.34(34.0)		
.82	.39(9.9)	.80(20.3)	.50(12.7)	1.14(29.0)	.58(14.7)	1.34(34.0)		
1.0	.43(10.9)	.80(20.3)	.54(13.7)	1.14(29.0)	.64(16.3)	1.34(34.0)		
1.2	.47(11.9)	.80(20.3)	.60(15.3)	1.14(29.0)	.68(17.3)	1.34(34.0)		
1.5	.39(9.8)	1.14(29.0)	.58(14.7)	1.34(34.0)	.77(19.5)	1.34(34.0)		
1.8	.43(10.9)	1.14(29.0)	.64(16.3)	1.34(34.0)	.84(21.3)	1.34(34.0)		
2.2	.47(11.9)	1.14(29.0)	.71(18.0)	1.34(34.0)	.93(23.6)	1.34(34.0)		
2.7	.52(13.2)	1.14(29.0)	.78(19.8)	1.34(34.0)				
3.3	.57(14.5)	1.14(29.0)	.69(17.5)	1.87(47.5)				
3.9	.62(15.7)	1.14(29.0)	.75(19.1)	1.87(47.5)				
4.7	.61(15.5)	1.34(34.0)	.81(20.6)	1.87(47.5)				
5.6	.66(16.8)	1.34(34.0)	.89(22.6)	1.87(47.5)				
6.8	.77(19.5)	1.34(34.0)	1.00(25.4)	1.87(47.5)				
8.2	.82(20.8)	1.34(34.0)	1.10(27.9)	1.87(47.5)				
10.0	.85(21.6)	1.34(34.0)	1.20(30.5)	1.87(47.5)				



SMMKO metallized polyester capacitors

- Self Healing, Extended Foil, Non-inductive
- SMMKO Case Impervious to Known Solvents
- Ideal for Hand or Automatic Processing
- Lead Lengths: .236 (6) and .709 (18)

- Case Meets U.L. Flammability Specs
- Available on Tape for Auto Insertion
- Uniform Shape, Hi Density Packaging
- See MMKO and MMK-5 for other Sizes

CAPACITANCE VALUES: .001 to .47 MFD.

TOLERANCES: 20% (M), 10% (K), 5% (J), below 5% special.

WORKING VOLTS: 63/40, 100/63, 250/160, 400/200 Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.6 X Vdc for 1 minute.
TERMINATIONS TO CASE: 2500 VAC
LIFE TEST: .94 X Vdc at 100°C for 1000 hours.

DISSIPATION FACTOR: (tan δ): <.8% at 1 KHz at 23°C.

INSULATION RESISTANCE:

- > 3000 Mohm or 1000 sec (Mfd X Megohms) for Vdc = 63. (Whichever is lower).
- > 10000 Mohm or 2500 sec (Mfd X Megohms) for Vdc = 100. (Whichever is lower).
- > 15,000 Mohm or 5000 sec (Mfd X Megohms) for Vdc > 100. (Whichever is lower).

OPERATING TEMP. RANGE: -40°C to +100°C derate voltage 1.25%/°C above 85°C to 100°C.

TEMP. COEFF: See graph, approximately +400 (±200) PPM/°C.

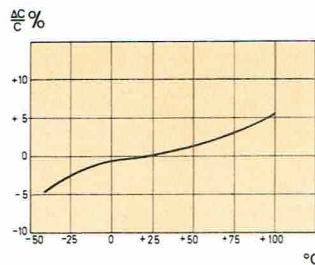
SELF INDUCTANCE: Approximately 10nh/.4" (10) of total length of capacitor winding and the leads.

CONSTRUCTION DATA:

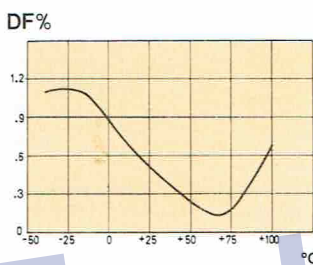
- STYLE: Flat, rectangular, radial, tinned copper leads.
- CASE: Special plastic 94VE-O. (grey)
- LEADS: .027" (.7) dia. Standard Length .236"(6) Special Length .709 (18)

SEACOR PART #MMKS — PLEASE NOTE WHEN ORDERING.

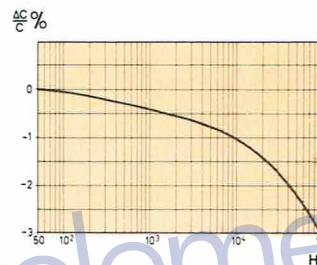
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.



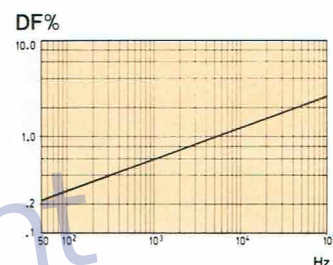
Capacitance vs. temperature.



Dissipation factor vs. temperature.



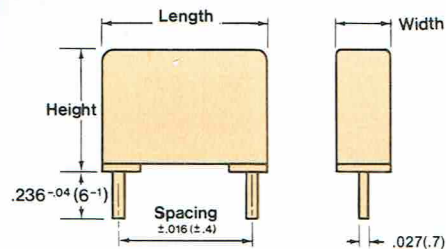
Capacitance vs. frequency.



Dissipation factor vs. frequency.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	63Vdc/40Vac		100Vdc/63Vac		250Vdc/160Vac		400Vdc/200Vac		LENGTH	SPACING
	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		
.001							.158(4.0)	.315(8.0)	All Value Same Dim's .413 (10.5)	All Value Same Dim's .295 (7.5)
.0012							.158(4.0)	.315(8.0)		
.0015							.158(4.0)	.315(8.0)		
.0018							.158(4.0)	.315(8.0)		
.0022							.158(4.0)	.315(8.0)		
.0027							.158(4.0)	.315(8.0)		
.0033							.158(4.0)	.315(8.0)		
.0039							.158(4.0)	.315(8.0)		
.0047							.158(4.0)	.315(8.0)		
.0056							.158(4.0)	.315(8.0)		
.0068							.158(4.0)	.315(8.0)		
.0082							.158(4.0)	.315(8.0)		
.01							.158(4.0)	.315(8.0)		
.012							.158(4.0)	.315(8.0)		
.015							.158(4.0)	.315(8.0)		
.018							.158(4.0)	.315(8.0)		
.022					.158(4.0)	.315(8.0)				
.027					.158(4.0)	.315(8.0)				
.033					.158(4.0)	.315(8.0)				
.039					.158(4.0)	.315(8.0)				
.047					.158(4.0)	.315(8.0)				
.056			.158(4.0)	.315(8.0)						
.068			.158(4.0)	.315(8.0)						
.082			.158(4.0)	.315(8.0)						
.1			.158(4.0)	.315(8.0)						
.12			.158(4.0)	.315(8.0)						
.15	.158(4.0)	.315(8.0)	.197(5.0)	.433(11.0)						
.18	.158(4.0)	.315(8.0)	.197(5.0)	.433(11.0)						
.22	.158(4.0)	.315(8.0)	.197(5.0)	.433(11.0)						
.27	.158(4.0)	.315(8.0)								
.33	.197(5.0)	.433(11.0)								
.39	.197(5.0)	.433(11.0)								
.47	.197(5.0)	.433(11.0)								



MMK-5 metallized polyester capacitors

Remove Watermark Now

- Self Healing, Extended Foil, Non-inductive
- MMK-5 Case Impervious to Known Solvents
- Ideal for Hand or Automatic Processing
- Lead Lengths: .158(4) and .709(18)

- Case Meets U.L. Flammability Specs
- Available on Tape for Auto Insertion
- Uniform Shape, Hi Density Packaging
- See MMKO & SMMKO for other sizes

CAPACITANCE VALUES: .001 to .47 MFD.

TOLERANCES: 20% (M), 10% (K), 5% (J), below 5% special.

WORKING VOLTS: 63/40, 100/63 Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.6 X Vdc for 1 minute.
TERMINATIONS TO CASE: 2500 VAC
LIFE TEST: .94 X Vdc at 100°C for 1000 hours.

DISSIPATION FACTOR: (tan δ): < .8% at 1 KHz at 23°C.

INSULATION RESISTANCE: at 20°C; Nominal Voltage for 1 min.

> 3000 Mohm or 1000 sec (Mfd X Megohms)
for Vdc = 63. (Whichever is lower).
> 10000 Mohm or 2500 sec (Mfd X Megohms)
for Vdc = 100. (Whichever is lower).

OPERATING TEMP. RANGE: -55°C to +100°C Derate voltage 1.66%/°C above 85°C. to 100°C

TEMP. COEFF: See graph, approximately +400 (±200) PPM/°C.

SELF INDUCTANCE: Approximately 10nh/.4" (10) of total length of capacitor winding and the leads.

CONSTRUCTION DATA:

STYLE: Flat, rectangular, radial, tinned copper leads.

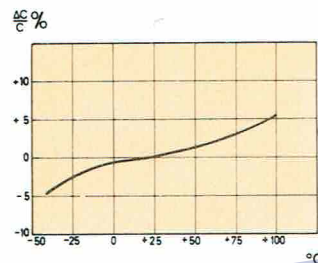
CASE: Special plastic 94VE-O. (grey)

LEADS: .020(.5) Dia. Standard Length .158"(4)
Special Length .709(18)

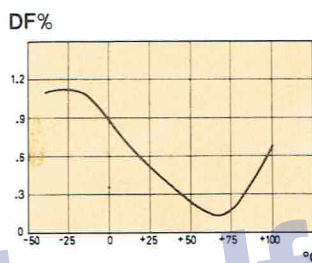
SEACOR PART #MMKT—

PLEASE NOTE WHEN ORDERING.

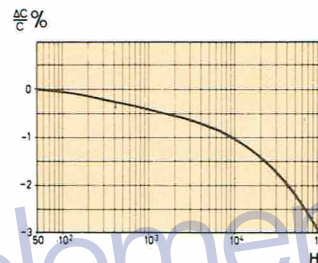
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.



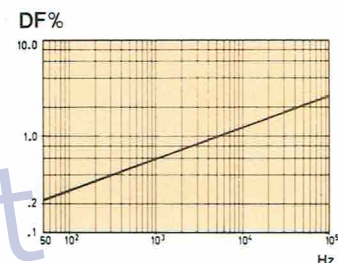
Capacitance vs. temperature.



Dissipation factor vs. temperature.



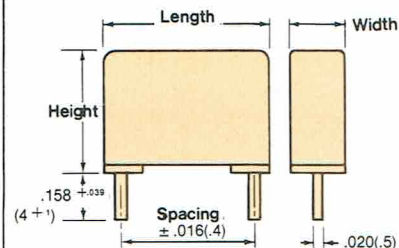
Capacitance vs. frequency.



Dissipation factor vs. frequency.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	63Vdc/40Vac				100Vdc/63Vac				LENGTH	SPACING
	WIDTH		HEIGHT		WIDTH		HEIGHT			
	IN	MM	IN	MM	IN	MM	IN	MM		
.001					.098	2.5	.255	6.5	All Value Same Dim's	.283 (7.2)
.0012					.098	2.5	.255	6.5		
.0015					.098	2.5	.255	6.5		
.0018					.098	2.5	.255	6.5		
.0022					.098	2.5	.255	6.5		
.0027					.098	2.5	.255	6.5		
.0033					.098	2.5	.255	6.5		
.0039					.098	2.5	.255	6.5		
.0047					.098	2.5	.255	6.5		
.0056					.098	2.5	.255	6.5		
.0068					.098	2.5	.255	6.5		
.0082					.098	2.5	.255	6.5		
.01					.098	2.5	.255	6.5		
.012					.098	2.5	.255	6.5		
.015					.098	2.5	.255	6.5		
.018					.098	2.5	.255	6.5		
.022					.098	2.5	.255	6.5		
.027					.098	2.5	.255	6.5		
.033					.098	2.5	.255	6.5		
.039					.098	2.5	.255	6.5		
.047					.098	2.5	.255	6.5		
.056	.098	2.5	.255	6.5	.133	3.4	.314	8.0	All Value Same Dim's	.197 (5.0)
.068	.098	2.5	.255	6.5	.133	3.4	.314	8.0		
.082	.098	2.5	.255	6.5	.133	3.4	.314	8.0		
.1	.098	2.5	.255	6.5	.133	3.4	.314	8.0		
.12	.098	2.5	.255	6.5	.133	3.4	.314	8.0		
.15	.133	3.4	.314	8.0	.192	4.9	.393	10.0		
.18	.133	3.4	.314	8.0	.192	4.9	.393	10.0		
.22	.133	3.4	.314	8.0	.192	4.9	.393	10.0		
.27	.192	4.9	.393	10.0						
.33	.192	4.9	.393	10.0						
.39	.192	4.9	.393	10.0						
.47	.192	4.9	.393	10.0						



Tape and Reel Available for
TDK - UNIVERSAL - PANASERT
and
EIA RS-468

CMK-7.5 metallized polycarbonate capacitors

Remove Watermark Now

- Self Healing, Extended Foil, Non-inductive
- CMK Case Impervious to Known Solvents
- Ideal for Hand or Automatic Processing
- Lead Lengths: .236(6) and .709(18)

- Case Meets U.L. Self Extinguishing Specs
- Available on Tape for Auto Insertion
- Uniform Shape, Hi Density Packaging
- Low Dissipation Factor and T.C.

CAPACITANCE VALUES: .001 MFD to .33 MFD

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F)
Below 5% Special

WORKING VOLTS: 100/63, 250/160, 400/200, Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.6 x Vdc for 2 Sec.
TERMINATIONS TO CASE: 2500 VAC
LIFE-TEST: .94 x Vdc at 100°C for 2000 hrs.

DISSIPATION FACTOR: (tan δ) < .4% at 1 KHZ at 23°C.
.2% Typical

INSULATION RESISTANCE:

> 15,000 Megohms or 5000 Sec (MFD x Megohms)
for Vdc = 100V (Whichever is lower)
> 30,000 Megohms or 10000 Sec (MFD x Megohms)
for Vdc > 100V (Whichever is lower)

OPERATING TEMP. RANGE: - 55°C to + 125°C. Derate
voltage 1.66% / °C above 85°

TEMP. COEFF.: See graph, approx. +150 PPM/°C

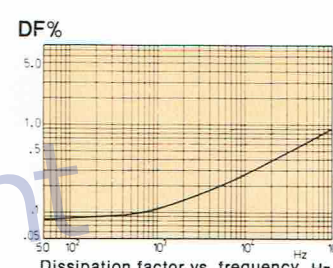
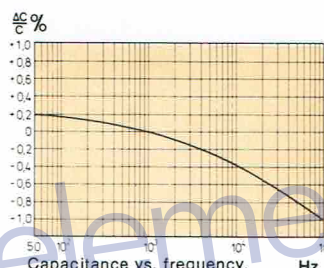
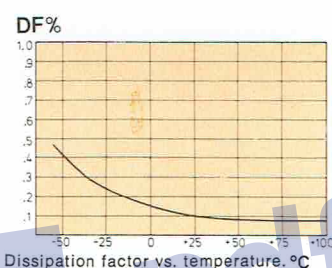
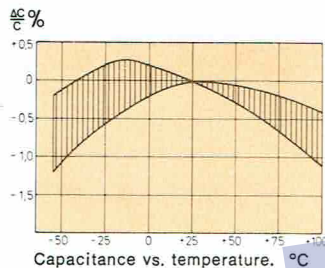
MAX. PULSE RISETIMES: VDC 100 250 400
Tr(V/μs) 15 20 30

SELF INDUCTANCE: Approx. 6nH/.4" (10) of Total Length
Capacitor Winding and the leads

CONSTRUCTION DATA:

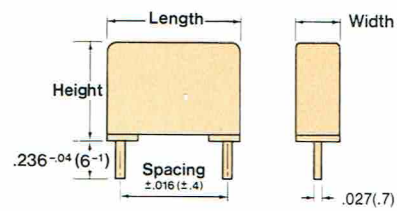
STYLE: Flat, Rectangular, Radial, Tinned Copper Leads
CASE: Special Thermoplastic 94VE-O (yellow)
LEADS: .027(.7) dia.—Standard Length .236"(6)
Special Length .709"(18)

**SEACOR PART #CMKS—
PLEASE NOTE WHEN ORDERING.
SEE SEACOR ORDERING PART NUMBER CODE KEY
FOR DETAILS.**



ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES

CAPACITY MFD	100Vdc/63Vac		250Vdc/160Vac		400Vdc/200Vac		LENGTH	SPACING		
	WIDTH		HEIGHT		WIDTH				HEIGHT	
	IN	MM	IN	MM	IN	MM			IN	MM
.001							All Value Same Dim's .413 (10.5)	All Value Same Dim's .295 (7.5)		
.0012										
.0015										
.0018										
.0022										
.0027										
.0033										
.0039										
.0047										
.0056										
.0068										
.0082										
.01										
.012										
.015										
.018										
.022										
.027										
.033										
.039										
.047										
.056										
.068										
.082										
.1										
.12										
.15										
.18										
.22										
.27										
.33										



metallized polycarbonate capacitors **CMK**

Remove Watermark Now

- Self Healing, Extended Foil, Non-inductive
- CMK Case Impervious to Known Solvents
- Ideal for Hand or Automatic Processing
- Lead Length: .236"(6)

- Case Meets U.L. Self Extinguishing Specs
- See CMK-7.5 for other sizes.
- Uniform Shape, Hi Density Packaging
- Low Dissipation Factor and T.C.

CAPACITANCE VALUES: .0027 MFD to 6.8 MFD

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F)
Below 5% Special

WORKING VOLTS: 100/63, 250/160, 400/200, Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.6 x Vdc for 2 Sec.
TERMINATIONS TO CASE: 2500 VAC
LIFE-TEST: .94 x Vdc at 100°C for 2000 hrs.

DISSIPATION FACTOR: (tan δ): < .4% at 1 KHZ at 23°C.
.2% Typical

INSULATION RESISTANCE:
> 15,000 Megohms or 5000 Sec (MFD x Megohms)
for Vdc = 100V (Whichever is lower)
> 30,000 Megohms or 10000 Sec (MFD x Megohms)
for Vdc > 100V (Whichever is lower)

OPERATING TEMP. RANGE: - 55°C to + 125°C. Derate
voltage 1.66% / °C above 85°

TEMP. COEFF.: See graph, approx. +150 PPM/°C

MAX. PULSE RISE TIMES (V/μs):

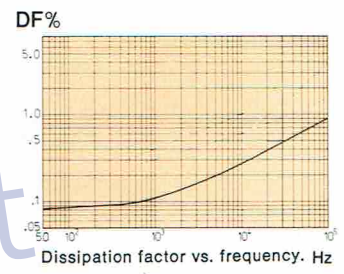
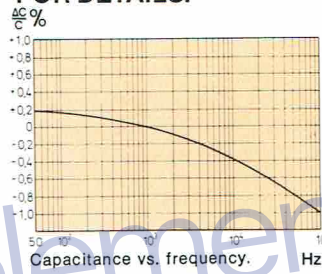
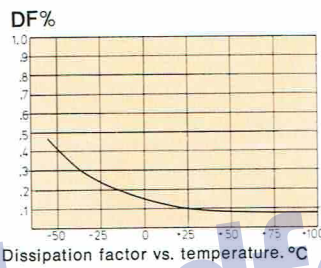
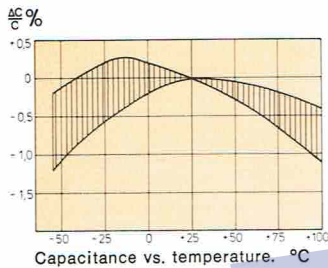
L.S.	100V	250V	400V
.394(10)	10	15	25
.591(15)	6	10	15
.887(22.5)	4	8	10
1.084(27.5)	2	6	8

SELF INDUCTANCE: Approx. 6nH/.4" (10) of Total Length
Capacitor Winding and the leads

CONSTRUCTION DATA:

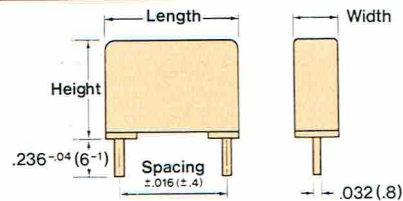
Style: Flat, Rectangular, Radial, Tinned Copper Leads
CASE: Special Thermoplastic 94VE-0 (yellow)
LEADS: .032"(.8) dia, .236"(6) Long.

SEACOR PART #CMKR — PLEASE NOTE WHEN ORDERING.
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.



ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES
COLOR BARS IDENTIFY COMMON LENGTH AND LEAD SPACING.

CAPACITY MFD	100Vdc/63Vac		250Vdc/160Vac				400Vdc/200Vac				LENGTH	SPACING		
	WIDTH		HEIGHT		WIDTH		HEIGHT		WIDTH				HEIGHT	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM			IN	MM
.0027 to .012									.158	4.0	.355	9.0	.512 (13)	.394 (10)
.015								.158	4.0	.355	9.0			
.018								.158	4.0	.355	9.0			
.022								.158	4.0	.355	9.0			
.027					.158	4.0	.355	9.0	.177	4.5	.413	10.5		
.033					.158	4.0	.355	9.0	.177	4.5	.413	10.5		
.039					.158	4.0	.355	9.0	.217	5.5	.453	11.5		
.047					.158	4.0	.355	9.0	.217	5.5	.433	11.0		
.056	.158	4.0	.355	9.0	.158	4.0	.355	9.0	.217	5.5	.433	11.0		
.068	.158	4.0	.355	9.0	.177	4.5	.413	10.5	.217	5.5	.433	11.0		
.082	.158	4.0	.355	9.0	.177	4.5	.413	10.5	.256	6.5	.512	13.0		
.1	.158	4.0	.355	9.0	.177	5.5	.453	11.5	.256	6.5	.512	13.0		
.12	.158	4.0	.355	9.0	.177	5.5	.433	11.0	.256	6.5	.512	13.0		
.15	.158	4.0	.355	9.0	.177	5.5	.433	11.0	.295	7.5	.551	14.0		
.18	.158	4.0	.355	9.0	.177	5.5	.433	11.0	.295	7.5	.551	14.0		
.22	.177	4.5	.413	10.5	.177	5.5	.433	11.0	.256	6.5	.610	15.5		
.27	.158	4.0	.413	10.5	.256	6.5	.512	13.0	.295	7.5	.650	16.5		
.33	.217	5.5	.433	11.0	.256	6.5	.512	13.0	.335	8.5	.728	18.5		
.39	.217	5.5	.433	11.0	.296	7.5	.551	14.0	.335	8.5	.728	18.5		
.47	.217	5.5	.433	11.0	.256	6.5	.610	15.5	.413	10.5	.807	20.5		
.56	.217	5.5	.433	11.0	.256	6.5	.610	15.5	.413	10.5	.807	20.5		
.68	.256	6.5	.512	13.0	.256	6.5	.610	15.5	.453	11.5	.827	21.0		
.82	.256	6.5	.512	13.0	.295	7.5	.650	16.5	.453	11.5	.827	21.0		
1.0	.296	7.5	.552	14.0	.335	8.5	.728	18.5	.551	14.0	.965	24.5		
1.2	.296	7.5	.552	14.0	.413	10.5	.807	20.5						
1.5	.256	6.5	.611	15.5	.453	11.5	.827	21.0						
1.8	.256	6.5	.611	15.5	.453	11.5	.827	21.0						
2.2	.296	7.5	.650	16.5	.453	11.5	.827	21.0						
2.7	.335	8.5	.728	18.5										
3.3	.413	10.5	.808	20.5										
3.9	.413	10.5	.808	20.5										
4.7	.453	11.5	.827	21.0										
5.6	.453	11.5	.827	21.0										
6.8	.552	14.0	.965	24.5										



metallized polycarbonate capacitors **CMK**

Remove Watermark Now

- Self Healing, Extended Foil, Non-inductive
- CMK Case Impervious to Known Solvents
- Ideal for Hand or Automatic Processing
- Lead Length: .236"

- Case Meets U.L. Self Extinguishing Specs
- Standard Sizes and Lead Spacing
- Uniform Shape, Hi Density Packaging
- Low Dissipation Factor and T.C.

CAPACITANCE VALUES: .0027 MFD to 6.8 MFD

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F)
Below 5% Special

WORKING VOLTS: 100/63, 250/160, 400/200, Vdc/Vac

TEST VOLTS: BETWEEN TERMINATIONS: 1.6 x Vdc for 1 min.
TERMINATIONS TO CASE: 2500 VAC
LIFE-TEST: 1.0 x Vdc at 100°C for 1000 hrs.

DISSIPATION FACTOR: (tan δ): < .4% at 1 KHZ at 25°C,
.2% Typical

INSULATION RESISTANCE:

- > 10,000 Megohms or 2500 Sec (MFD x Megohms)
for Vdc = 100V (Whichever is lower)
- > 30,000 Megohms or 10000 Sec (MFD x Megohms)
for Vdc > 100V (Whichever is lower)

OPERATING TEMP. RANGE: -40°C to + 85°C. Derate
voltage 1.66% /°C above 85° to 100°C

TEMP. COEFF.: See graph, approx. +150 PPM/°C

MAX. PULSE RISETIMES: VDC 100 250 400
Tr(V/µS) 10 15 20

SELF INDUCTANCE: Approx. 10nH/.4" (10) of case length

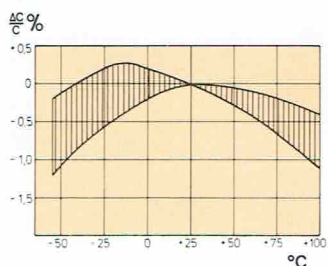
CONSTRUCTION DATA:

STYLE: Flat, Rectangular, Radial, Tinned Copper Leads

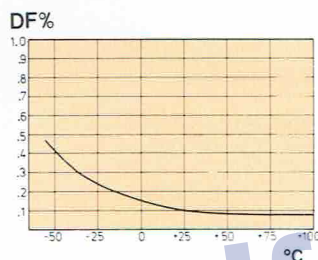
CASE: Special Thermoplastic 94VE-0

LEADS: CMK— .236" (6) Long, Standard

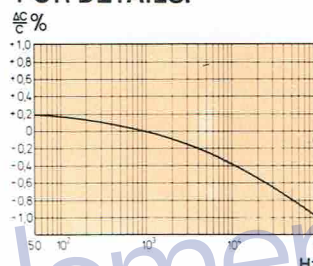
SEACOR PART #CMKR — PLEASE NOTE WHEN ORDERING. SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.



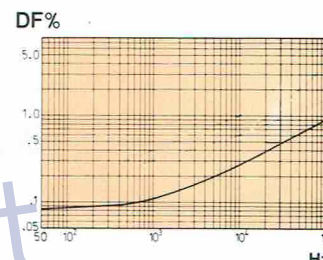
Capacitance vs. temperature.



Dissipation factor vs. temperature.



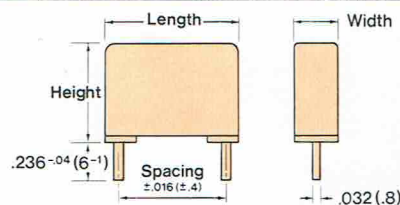
Capacitance vs. frequency.



Dissipation factor vs. frequency.

ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS). BOLDFACE TYPE INDICATES PREFERRED VALUES
COLOR BARS IDENTIFY COMMON LENGTH AND LEAD SPACING.

CAPACITY MFD	100Vdc/63Vac		250Vdc/160Vac		400Vdc/200Vac		LENGTH	SPACING
	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		
.0027 to .012					.177(4.5)	.413(10.5)		
.015					.177(4.5)	.413(10.5)		
.018					.177(4.5)	.413(10.5)		
.022					.177(4.5)	.413(10.5)		
.027				.177(4.5)	.217(5.5)	.453(11.5)	.512 (13)	.394 (10)
.033				.177(4.5)	.217(5.5)	.453(11.5)		
.039				.177(4.5)	.217(5.5)	.453(11.5)		
.047	.177(4.5)	.413(10.5)		.177(4.5)	.217(5.5)	.453(11.5)		
.056	.177(4.5)	.413(10.5)		.177(4.5)	.217(5.5)	.433(11.0)		
.068	.177(4.5)	.413(10.5)		.177(4.5)	.217(5.5)	.433(11.0)		
.082	.177(4.5)	.413(10.5)		.177(4.5)	.217(5.5)	.433(11.0)		
.1	.177(4.5)	.413(10.5)		.217(5.5)	.256(6.5)	.512(13.0)	.709 (18)	.591 (15)
.12	.177(4.5)	.413(10.5)		.217(5.5)	.256(6.5)	.512(13.0)		
.15	.217(5.5)	.453(11.5)		.217(5.5)	.256(6.5)	.512(13.0)		
.18	.217(5.5)	.453(11.5)		.217(5.5)	.256(6.5)	.512(13.0)		
.22	.217(5.5)	.453(11.5)		.217(5.5)	.256(6.5)	.512(13.0)		
.27	.217(5.5)	.433(11.0)		.217(5.5)	.256(6.5)	.512(13.0)		
.33	.217(5.5)	.433(11.0)		.217(5.5)	.256(6.5)	.512(13.0)	.985 (25)	.887 (22.5)
.39	.217(5.5)	.433(11.0)		.217(5.5)	.256(6.5)	.512(13.0)		
.47	.256(6.5)	.512(13.0)		.217(5.5)	.256(6.5)	.512(13.0)		
.56	.256(6.5)	.512(13.0)		.217(5.5)	.256(6.5)	.512(13.0)		
.68	.295(7.5)	.551(14.0)		.217(5.5)	.256(6.5)	.512(13.0)		
.82	.335(8.5)	.610(15.5)		.217(5.5)	.256(6.5)	.512(13.0)		
1.0	.335(8.5)	.610(15.5)		.217(5.5)	.256(6.5)	.512(13.0)	1.241 (31.5)	1.084 (27.5)
1.2	.256(6.5)	.610(15.5)		.217(5.5)	.256(6.5)	.512(13.0)		
1.5	.296(7.5)	.650(16.5)		.217(5.5)	.256(6.5)	.512(13.0)		
1.8	.335(8.5)	.729(18.5)		.217(5.5)	.256(6.5)	.512(13.0)		
2.2	.335(8.5)	.729(18.5)		.217(5.5)	.256(6.5)	.512(13.0)		
2.7	.413(10.5)	.807(20.5)		.217(5.5)	.256(6.5)	.512(13.0)		
3.3	.413(10.5)	.807(20.5)		.217(5.5)	.256(6.5)	.512(13.0)		
3.9	.453(11.5)	.827(21.0)		.217(5.5)	.256(6.5)	.512(13.0)		
4.7	.453(11.5)	.827(21.0)		.217(5.5)	.256(6.5)	.512(13.0)		
5.6	.551(14.0)	.967(24.5)		.217(5.5)	.256(6.5)	.512(13.0)		
6.8	.551(14.0)	.965(24.5)		.217(5.5)	.256(6.5)	.512(13.0)		



SF polystyrene foil capacitors

Remove Watermark Now

- Polystyrene Film and Aluminum Foil
- Offset Axial Lead Construction
- Extremely Low Dissipation Factor

- Very High Insulation Resistance
- Low Negative Temperature Coefficient
- Intermediate Values Available Within Range as Indicated on Chart

CAPACITANCE VALUES: 47 PF to 100,000 PF

TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F); but not less than ± 1 PF

WORKING VOLTS: 25/10, 63/25, 160/48, 630/125, Vdc/Vac

TEST VOLTS: 2.5 x Vdc

DISSIPATION FACTOR: (tan δ): Less than .05% at 10 KHZ

INSULATION RESISTANCE:

- > 100 Megohms for Vdc ≤ 63V
- > 100,000 Megohms for Vdc ≥ 160V

OPERATING TEMP. RANGE: -10° to 70°C

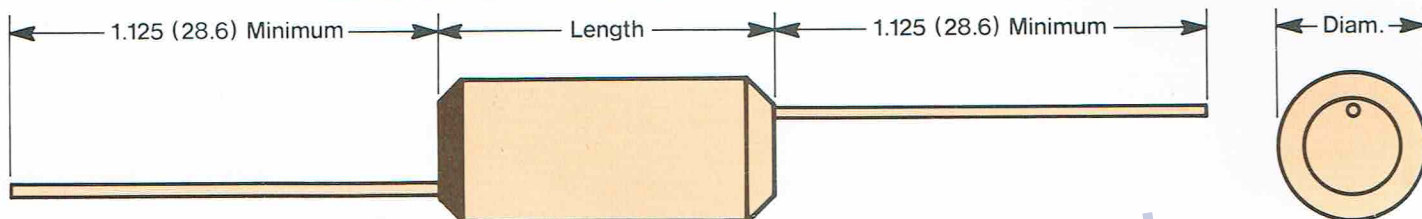
TEMP. COEFF.: -150 (± 50) PPM/°C

STABILITY, LONG TERM: Drift less than ± (0.3% + 0.4 PF) per 2 years

SELF INDUCTANCE: Approximately 10nH/.4" (10) of case length and its leads

CONSTRUCTION DATA: Tubular, Axial, Offset Leads
Tinned Copper — 1½" Minimum

SEACOR PART #SFOW — PLEASE NOTE WHEN ORDERING.
SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.



COLOR CODE RING DENOTES VOLTAGE (Vdc) AND OUTER FOIL END.

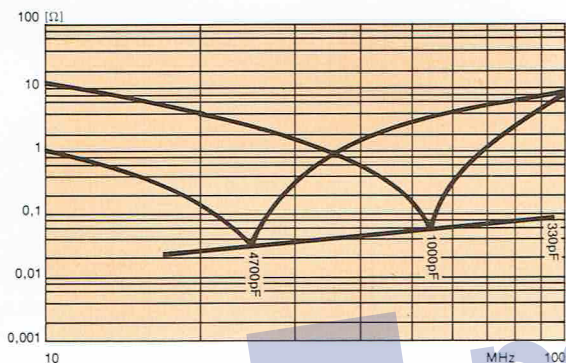
ALL DIMENSIONS ARE MAXIMUM AND EXPRESSED IN INCHES (MILLIMETERS).
BOLDFACE TYPE INDICATES PREFERRED VALUES—COLOR BAR IDENTIFIES COMMON LEAD DIAMETER.

CAPACITY PF	(Blue) 25Vdc/10Vac		(Yellow) 63Vdc/25Vac		(Red) 160Vdc/48Vac		(Black) 630Vdc/125Vac		LEAD DIAMETER
	LENGTH	DIAM.	LENGTH	DIAM.	LENGTH	DIAM.	LENGTH	DIAM.	
47					.473(12.0)	.146(3.7)	.473(12.0)	.217(5.5)	.012(.3)
68					.473(12.0)	.146(3.7)	.473(12.0)	.217(5.5)	
82					.473(12.0)	.146(3.7)	.473(12.0)	.217(5.5)	
100	.315(8.0)	.122(3.1)	.315(8.0)	.122(3.1)	.473(12.0)	.146(3.7)	.473(12.0)	.236(6.0)	
150	.315(8.0)	.126(3.2)	.315(8.0)	.126(3.2)	.473(12.0)	.146(3.7)	.473(12.0)	.248(6.3)	
220	.315(8.0)	.130(3.3)	.315(8.0)	.130(3.3)	.473(12.0)	.158(4.0)	.473(12.0)	.268(6.8)	
330	.315(8.0)	.130(3.3)	.315(8.0)	.134(3.4)	.473(12.0)	.169(4.3)	.473(12.0)	.283(7.2)	
470	.315(8.0)	.130(3.3)	.315(8.0)	.138(3.5)	.473(12.0)	.189(4.8)	.473(12.0)	.291(7.4)	
560	.315(8.0)	.130(3.3)	.315(8.0)	.138(3.5)	.473(12.0)	.197(5.0)	.473(12.0)	.323(8.2)	
680	.315(8.0)	.130(3.3)	.315(8.0)	.142(3.6)	.473(12.0)	.205(5.2)	.473(12.0)	.350(8.9)	
820	.315(8.0)	.130(3.3)	.315(8.0)	.154(3.9)	.473(12.0)	.217(5.5)	.473(12.0)	.358(9.1)	
1000	.315(8.0)	.130(3.3)	.473(12.0)	.166(4.2)	.473(12.0)	.252(6.4)	.473(12.0)	.374(9.5)	.016(.4)
1200	.315(8.0)	.146(3.7)	.473(12.0)	.173(4.4)	.473(12.0)	.260(6.6)	.867(22.0)	.331(8.4)	
1500	.315(8.0)	.158(4.0)	.473(12.0)	.181(4.6)	.473(12.0)	.276(7.0)	.867(22.0)	.354(9.0)	
2200	.315(8.0)	.189(4.8)	.473(12.0)	.197(5.0)	.473(12.0)	.307(8.0)	.867(22.0)	.413(10.5)	
2700	.473(12.0)	.197(5.0)	.473(12.0)	.209(5.3)	.473(12.0)	.335(8.5)	.867(22.0)	.425(10.8)	
3300	.473(12.0)	.197(5.0)	.473(12.0)	.225(5.7)	.473(12.0)	.363(9.2)	.867(22.0)	.441(11.2)	
3900	.473(12.0)	.205(5.2)	.473(12.0)	.248(6.3)	.867(22.0)	.284(7.2)	.867(22.0)	.461(11.7)	
4700	.473(12.0)	.209(5.3)	.473(12.0)	.256(6.5)	.867(22.0)	.299(7.6)	.867(22.0)	.488(12.4)	
5600	.473(12.0)	.229(5.8)	.473(12.0)	.268(6.8)	.867(22.0)	.323(8.2)	.867(22.0)	.512(13.0)	
6800	.473(12.0)	.236(6.0)	.473(12.0)	.292(7.4)	.867(22.0)	.347(8.8)	.867(22.0)	.551(14.0)	
8200	.473(12.0)	.272(6.9)	.670(17.0)	.276(7.0)	.867(22.0)	.363(9.2)	.867(22.0)	.591(15.0)	
10000			.670(17.0)	.299(7.6)	.867(22.0)	.394(10.0)	.867(22.0)	.630(16.0)	
15000			.670(17.0)	.327(8.3)	.867(22.0)	.472(12.0)			
22000			.670(17.0)	.386(9.8)	.867(22.0)	.559(14.2)			
27000			.867(22.0)	.390(9.9)					
33000			.867(22.0)	.413(10.5)					
39000			.867(22.0)	.461(11.7)					
47000			.867(22.0)	.524(13.3)					
56000			.867(22.0)	.551(14.0)					
68000			.867(22.0)	.571(14.5)					
82000			.867(22.0)	.591(15.0)					
100000			.867(22.0)	.650(16.5)					

- Available Taped and Reeled
- Low Negative T.C.
- Very Low Dissipation Factor
- Extended Foil Construction

CAPACITANCE VALUES: 100 PF to 15,000 PF
TOLERANCES: 20% (M), 10% (K), 5% (J), 2½% (H), 1% (F) or ± 1 PF
WORKING VOLTS: 63, 160, 630 Vdc
TEST VOLTS: 2.5 x Vdc
DISSIPATION FACTOR: (tan δ): < 0.02% @ 10 KHz @ 25 °C
INSULATION RESISTANCE: IR, Average > 10⁶ MΩ
 IR, Min. > 10⁵ MΩ
OPERATING TEMP. RANGE: -25 °C to +70 °C
TEMP. COEFF.: Approx. -150 (± 50) PPM/°C
STABILITY, LONG TERM: Drift less than .5% + .4 PF for use over a period of 2 years

SELF INDUCTANCE: Approx. 10nH/.4" (10) of case length
SOLDER CONDITIONS:
 Solderability: Maximum temperature 235 ± 5 °C
 Resistance to Soldering Heat: temperature 260 °C and maximum time 10 seconds.
CONSTRUCTION DATA: Aluminum foil, polystyrene film, polyester wrap; centered tinned copper axial leads, voltage color coded

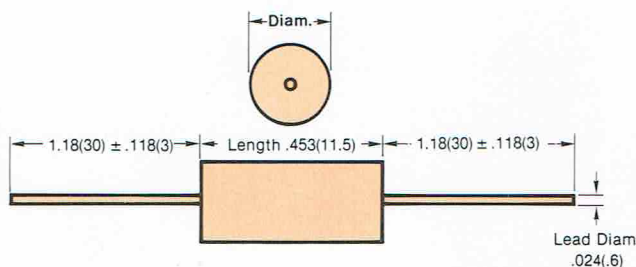


Typical resonance frequency and impedance for various capacitance values.

SEACOR PART #SFXA — PLEASE NOTE WHEN ORDERING. SEE SEACOR ORDERING PART NUMBER CODE KEY FOR DETAILS.

Color rings denote voltage. All dimensions are maximum and expressed in inches (millimeters). Boldface indicates preferred values.

CAPACITANCE PF	YELLOW	RED	BLACK
	63 Vdc	160 Vdc	630 Vdc
	DIAMETER	DIAMETER	DIAMETER
100	.177(4.5)	.177(4.5)	.177(4.5)
120	.177(4.5)	.177(4.5)	.177(4.5)
150	.177(4.5)	.177(4.5)	.177(4.5)
180	.177(4.5)	.177(4.5)	.177(4.5)
220	.177(4.5)	.177(4.5)	.197(5.0)
270	.177(4.5)	.177(4.5)	.197(5.0)
330	.177(4.5)	.177(4.5)	.197(5.0)
390	.177(4.5)	.177(4.5)	.197(5.0)
470	.177(4.5)	.177(4.5)	.2364(6.0)
560	.177(4.5)	.177(4.5)	.2364(6.0)
680	.177(4.5)	.177(4.5)	.2561(6.5)
820	.177(4.5)	.177(4.5)	.2758(7.0)
1000	.177(4.5)	.2167(5.5)	.2955(7.5)
1200	.177(4.5)	.2167(5.5)	.3152(8.0)
1500	.177(4.5)	.2364(6.0)	.3349(8.5)
1800	.177(4.5)	.2364(6.0)	.3546(9.0)
2200	.177(4.5)	.2364(6.0)	
2700	.177(4.5)	.3152(8.0)	
3300	.177(4.5)	.3152(8.0)	
3900	.177(4.5)	.3152(8.0)	
4700	.197(5.0)	.3546(9.0)	
5600	.2167(5.5)		
6800	.2364(6.0)		
8200	.2561(6.5)		
10000	.2955(7.5)		
12000	.3152(8.0)		
15000	.3546(9.0)		



Distributed by



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