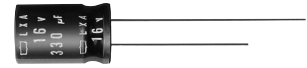


LXA Series

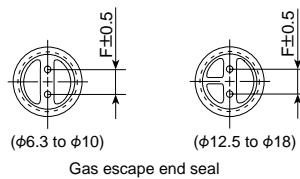
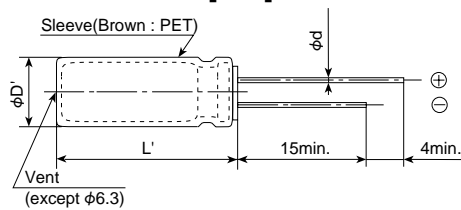
- Endurance : 105°C 5,000 to 7,000 hours
- Solvent-proof type
- Pb-free design



◆SPECIFICATIONS

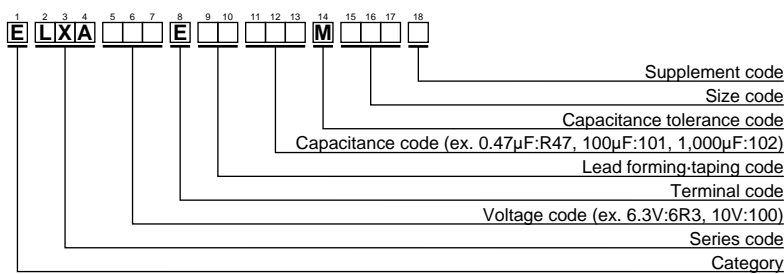
Items	Characteristics	
Category		
Temperature Range	-55 to +105°C	
Rated Voltage Range	10 to 63V _{dc}	
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)	
Leakage Current	I=0.01CV or 3µA, whichever is greater. Where, I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20°C after 2 minutes)	
Dissipation Factor (tanδ)	Rated Voltage (V _{dc})	
	tanδ (Max.)	
Endurance	10V 16V 25V 35V 50V 63V	
	0.30 0.25 0.22 0.18 0.15 0.12	
	When nominal capacitance exceeds 1,000µF, add 0.02 to the value above for each 1,000µF increase. (at 20°C, 120Hz)	
	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for the specified period of time at 105°C.	
	Time	
	Capacitance change	
	D.F. (tanδ)	
	Leakage current	
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied.	
	Capacitance change	≤±15% of the initial value
	D.F. (tanδ)	≤150% of the initial specified value
	Leakage current	≤The initial specified value

◆DIMENSIONS [mm]



φD	6.3	8	10	12.5	16	18
φd	0.5	0.6	0.6	0.6	0.8	0.8
F	2.5	3.5	5.0	5.0	7.5	7.5
φD'	φD+0.5max.					
L'	L+1.5max.					

◆PART NUMBERING SYSTEM



◆RATED RIPPLE CURRENT MULTIPLIERS

- Frequency Multipliers

Capacitance (µF)	Frequency (Hz)				
	50	120	300	1k	10k
0.47 to 4.7	0.1	0.2	0.3	0.5	1.0
10 to 22	0.2	0.3	0.4	0.6	1.0
33 to 47	0.3	0.4	0.5	0.7	1.0
100 to 330	0.4	0.5	0.6	0.8	1.0
470 to	0.6	0.7	0.8	0.9	1.0

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◆STANDARD RATINGS

VV (Vdc)	Cap (μF)	Case size φD×L(mm)	Impedance (Ωmax/20°C,100kHz)	Rated ripple current (mArms/105°C,100kHz)	Part No.
10	47	6.3×15	1.65	140	ELXA100E□□470MF15D
	100	6.3×15	1.65	140	ELXA100E□□101MF15D
	220	8×15	0.90	210	ELXA100E□□221MH15D
	330	10×16	0.42	370	ELXA100E□□331MJ16S
	470	10×16	0.42	370	ELXA100E□□471MJ16S
	1,000	12.5×20	0.16	720	ELXA100E□□102MK20S
	2,200	16×25	0.08	1,220	ELXA100E□□222ML25S
	3,300	16×31.5	0.07	1,400	ELXA100E□□332MLN3S
4,700	16×35.5	0.06	1,550	ELXA100E□□472MLP1S	
16	33	6.3×15	1.65	140	ELXA160E□□330MF15D
	47	6.3×15	1.65	140	ELXA160E□□470MF15D
	100	6.3×15	1.65	140	ELXA160E□□101MF15D
	220	8×15	0.90	210	ELXA160E□□221MH15D
	330	10×16	0.42	370	ELXA160E□□331MJ16S
	470	10×20	0.28	490	ELXA160E□□471MJ20S
	1,000	12.5×25	0.13	780	ELXA160E□□102MK25S
	2,200	16×25	0.08	1,220	ELXA160E□□222ML25S
3,300	16×35.5	0.06	1,550	ELXA160E□□332MLP1S	
4,700	18×35.5	0.06	1,690	ELXA160E□□472MMP1S	
25	22	6.3×15	1.65	140	ELXA250E□□220MF15D
	33	6.3×15	1.65	140	ELXA250E□□330MF15D
	47	6.3×15	1.65	140	ELXA250E□□470MF15D
	100	8×15	0.90	210	ELXA250E□□101MH15D
	220	10×16	0.42	370	ELXA250E□□221MJ16S
	330	10×20	0.28	490	ELXA250E□□331MJ20S
	470	12.5×20	0.16	720	ELXA250E□□471MK20S
	1,000	16×25	0.08	1,220	ELXA250E□□102ML25S
2,200	16×35.5	0.06	1,550	ELXA250E□□222MLP1S	
3,300	18×40	0.05	1,800	ELXA250E□□332MM40S	
35	4.7	6.3×15	1.65	140	ELXA350E□□4R7MF15D
	10	6.3×15	1.65	140	ELXA350E□□100MF15D
	22	6.3×15	1.65	140	ELXA350E□□220MF15D
	33	6.3×15	1.65	140	ELXA350E□□330MF15D
	47	6.3×15	1.65	140	ELXA350E□□470MF15D
	100	8×15	0.90	210	ELXA350E□□101MH15D
	220	10×20	0.28	490	ELXA350E□□221MJ20S
	330	12.5×20	0.16	720	ELXA350E□□331MK20S
470	12.5×20	0.16	720	ELXA350E□□471MK20S	
1,000	16×25	0.08	1,220	ELXA350E□□102ML25S	
2,200	18×35.5	0.06	1,690	ELXA350E□□222MMP1S	
50	0.47	6.3×15	4.5	140	ELXA500E□□R47MF15D
	1.0	6.3×15	2.6	140	ELXA500E□□1R0MF15D
	2.2	6.3×15	1.8	140	ELXA500E□□2R2MF15D
	3.3	6.3×15	1.8	140	ELXA500E□□3R3MF15D
	4.7	6.3×15	1.65	140	ELXA500E□□4R7MF15D
	10	6.3×15	1.65	140	ELXA500E□□100MF15D
	22	6.3×15	1.65	140	ELXA500E□□220MF15D
	33	8×15	0.90	210	ELXA500E□□330MH15D
	47	8×15	0.90	210	ELXA500E□□470MH15D
	100	10×16	0.55	320	ELXA500E□□101MJ16S
	220	12.5×20	0.20	640	ELXA500E□□221MK20S
	330	12.5×20	0.20	640	ELXA500E□□331MK20S
470	16×25	0.09	1,150	ELXA500E□□471ML25S	
1,000	16×31.5	0.07	1,400	ELXA500E□□102MLN3S	
63	4.7	6.3×15	1.65	140	ELXA630E□□4R7MF15D
	10	6.3×15	1.65	140	ELXA630E□□100MF15D
	22	6.3×15	1.65	140	ELXA630E□□220MF15D
	33	8×15	0.90	210	ELXA630E□□330MH15D
	47	8×15	0.90	210	ELXA630E□□470MH15D
	100	10×20	0.37	420	ELXA630E□□101MJ20S
	220	12.5×20	0.20	640	ELXA630E□□221MK20S
	330	12.5×25	0.16	720	ELXA630E□□331MK25S
	470	16×25	0.09	1,150	ELXA630E□□471ML25S
	1,000	18×35.5	0.06	1,690	ELXA630E□□102MMP1S

□□ : Lead forming / Taping code

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