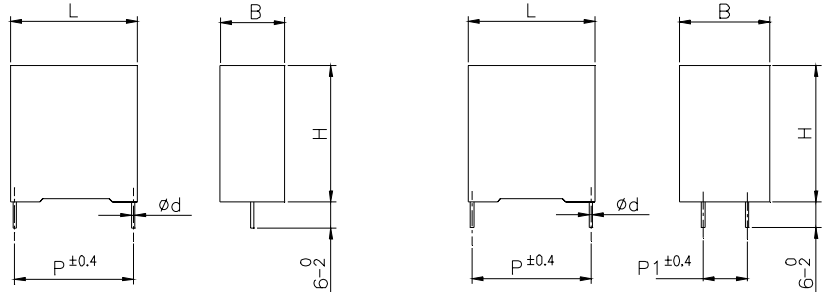


**General characteristics**

- Self-Healing
- Low losses
- High ripple current
- High contact reliability
- Suitable for high frequency applications



Single wire - 7th digit : U

Double wire - 7th digit : W

Wire Diameter	0.8 mm 20 AWG	1.2 mm 16 AWG
12 <sup>th</sup> and 13 <sup>th</sup> digit code	A1	A3

**Technical data**

General technical data	VDE 0560 - IEC61071 - EN61071
Application class (DIN 40040)	GPD / LS
Temperature range (Case)	-40 to + 85 °C
Max permissible ambient temperature (operation at rated power, rated current and natural cooling)	+70 °C
Capacitance tolerance code (15 <sup>th</sup> digit )	J = ± 5 % ; K = ± 10%
Peak non-repetitive max current	$I_{PKR} \times 1.5$
Test voltage terminal to terminal $U_{TT}$	2 $U_N$ for 10 seconds
Test voltage terminal to case $U_{TC}$	3kV - 50Hz for 60 seconds
Dissipation factor (tgδ)	$\leq 5 \times 10^{-4}$ at 1 kHz and 20 °C
Permissible relative humidity	Annual average $\leq 95\%$ on 30 days / year, continuously 100% on other days occasionally 100%. Dewing not admissible
IEC climatic category	40 / 85 / 56 according to IEC 68-1
Capacitance deviation in the operating temperature range of -40 to +85 °C	$\pm 1.5\%$ max on capacitance value measured at +20 °C
Change of capacitance versus operating time	-3% after 30.000 hours at $U_{RMS}$ or after 100.000 hours at $U_N$
Case components	Solvent resistant plastic case with epoxy resin sealing. Flame retardant execution (UL class 94 V0).
Terminals	Tinned copper 2 or 4 wires (See figure on top)
Installation	Whatever Position
Life Expectancy	$\geq 30.000$ hours at $U_{RMS}$ ; $\geq 100.000$ hours at $U_N$
Failure quota	300 / $10^9$ components hour

Peak voltage table

Un	850 V	1000 V	1200 V	2000 V	3000 V
Ūmax	1200 V	1300 V	1600 V	2400 V	3500 V

GENERAL CHARACTERISTICS

Code	C μF	Un Vdc	URMS Vac	dv/dt V/μs	IPKR A	ESR (mΩ) max @ 100kHz			IRMS (A) (100kHz) @70°C			DIMENSIONS (mm)				
						d=0.8 2 wires	d=1.2 2 wires	d=1.2 4 wires	d=0.8 2 wires	d=1.2 2 wires	d=1.2 4 wires	B	H	L	p	p1
						C4ASMB_3150__A_	0.15	850	500	1232	185	14.3	13.6	-	8	8
C4ASMB_3220__B_	0.22	850	500	1232	271	10.2	9.5	-	9	10	-	13	22	32	27.5	-
C4ASMB_3330__C_	0.33	850	500	1232	407	7.6	6.9	6.0	9	13	14	14	28	32	27.5	5.1
C4ASMB_3470__E_	0.47	850	500	1232	579	6.2	5.3	4.3	9	14	19	18	33	32	27.5	5.1
C4ASMB_3680__G_	0.68	850	500	1232	838	5.2	4.2	3.1	9	14	25	22	37	32	27.5	10.2
C4ASMB_4100__F_	1	850	500	758	758	6.2	5.2	4.1	9	14	22	20	40	41.5	37.5	10.2
C4ASMB_4200__H_	2	850	500	758	1516	4.6	3.5	2.3	9	14	29	24	44	41.5	37.5	10.2
C4ASMB_4300__M_	3	850	500	469	1407	5.6	4.5	3.2	9	14	29	30	45	57.5	52.5	10.2
C4ASMB_4400__M_	4	850	500	469	1876	4.9	3.8	2.5	9	14	29	30	45	57.5	52.5	20.3
C4ASMB_4500__N_	5	850	500	469	2345	4.7	3.5	2.1	9	14	29	35	50	57.5	52.5	20.3
C4ASNB_3150__A_	0.15	1000	600	1344	202	13.3	12.7	-	8	8	-	10	20	32	27.5	-
C4ASNB_3220__B_	0.22	1000	600	1344	296	9.7	9.0	8.3	9	11	11	13	22	32	27.5	5.1
C4ASNB_3330__C_	0.33	1000	600	1344	444	7.3	6.5	5.6	9	14	15	14	28	32	27.5	5.1
C4ASNB_3470__E_	0.47	1000	600	1344	632	6.0	5.1	4.1	9	14	20	18	33	32	27.5	5.1
C4ASNB_3680__G_	0.68	1000	600	1344	914	5.0	4.0	3.0	9	14	25	22	37	32	27.5	10.2
C4ASNB_4100__F_	1	1000	600	827	827	5.9	5.0	3.9	9	14	22	20	40	41.5	37.5	10.2
C4ASNB_4150__J_	1.5	1000	600	827	1241	4.7	3.8	2.7	9	14	29	28	37	42.5	37.5	10.2
C4ASNB_4200__L_	2	1000	600	827	1654	4.5	3.4	2.2	9	14	29	30	45	42	37.5	20.3
C4ASNB_4220__L_	2.2	1000	600	827	1819	4.4	3.3	2.0	9	14	29	30	45	42	37.5	20.3
C4ASNB_4300__M_	3	1000	600	512	1536	5.4	4.3	3.0	9	14	29	30	45	57.5	52.5	20.3
C4ASNB_4400__N_	4	1000	600	512	2048	5.0	3.8	2.4	9	14	29	35	50	57.5	52.5	20.3
C4ASNB_4470__N_	4.7	1000	600	512	2406	4.7	3.5	2.1	9	14	29	35	50	57.5	52.5	20.3
C4ASPB_3100__A_	0.1	1200	630	1568	157	17.4	16.8	-	7	7	-	10	20	32	27.5	-
C4ASPB_3150__B_	0.15	1200	630	1568	235	12.2	11.6	-	9	10	-	13	22	32	27.5	-
C4ASPB_3220__C_	0.22	1200	630	1568	345	9.2	8.4	7.5	9	12	13	14	28	32	27.5	5.1
C4ASPB_3330__E_	0.33	1200	630	1568	517	7.0	6.1	5.1	9	14	18	18	33	32	27.5	5.1
C4ASPB_3470__G_	0.47	1200	630	1568	737	5.8	4.8	3.7	9	14	23	22	37	32	27.5	10.2
C4ASPB_3680__F_	0.68	1200	630	965	656	7.0	6.0	4.9	9	14	20	20	40	41.5	37.5	10.2
C4ASPB_4100__F_	1	1200	630	965	965	5.6	4.6	3.5	9	14	26	20	40	41.5	37.5	10.2
C4ASPB_4120__J_	1.2	1200	630	965	1158	5.0	4.0	2.9	9	14	28	28	37	42.5	37.5	10.2
C4ASPB_4200__M_	2	1200	630	598	1196	6.2	5.0	3.8	9	14	28	30	45	57.5	52.5	10.2
C4ASPB_4220__M_	2.2	1200	630	598	1316	5.9	4.7	3.5	9	14	29	30	45	57.5	52.5	10.2
C4ASPB_4250__M_	2.5	1200	630	598	1495	5.5	4.4	3.1	9	14	29	30	45	57.5	52.5	20.3
C4ASPB_4300__N_	3	1200	630	598	1794	5.3	4.1	2.7	9	14	29	35	50	57.5	52.5	20.3
C4ASPB_4350__N_	3.5	1200	630	598	2093	5.0	3.7	2.4	9	14	29	35	50	57.5	52.5	20.3
C4ASWB_2330__A_	0.033	2000	700	2240	74	40.0	39.3	-	5	5	-	10	20	32	27.5	-
C4ASWB_2470__A_	0.047	2000	700	2240	105	28.5	27.9	-	6	6	-	10	20	32	27.5	-
C4ASWB_2680__B_	0.068	2000	700	2240	152	20.3	19.6	-	8	8	-	13	22	32	27.5	-
C4ASWB_3100__C_	0.1	2000	700	2240	224	14.6	13.8	13.0	9	10	11	14	28	32	27.5	5.1
C4ASWB_3150__E_	0.15	2000	700	2240	336	10.7	9.8	8.8	9	14	15	18	33	32	27.5	5.1
C4ASWB_3220__E_	0.22	2000	700	2240	493	8.0	7.1	6.1	9	14	17	18	33	32	27.5	10.2
C4ASWB_3330__F_	0.33	2000	700	1380	455	9.4	8.5	7.4	9	14	16	20	40	41.5	37.5	10.2
C4ASWB_3680__H_	0.68	2000	700	1380	937	6.1	5.0	3.8	9	14	25	24	44	41.5	37.5	10.2
C4ASWB_4100__M_	1	2000	700	850	850	7.7	6.6	5.3	9	14	24	30	45	57.5	52.5	10.2
C4ASWB_4150__N_	1.5	2000	700	850	1280	6.3	5.1	3.7	9	14	29	35	50	57.5	52.5	20.3
C4ASYB_2220__A_	0.022	3000	750	3360	74	47.9	47.3	-	5	5	-	10	20	32	27.5	-
C4ASYB_2330__B_	0.033	3000	750	3360	111	32.6	31.9	-	7	7	-	13	22	32	27.5	-
C4ASYB_2470__C_	0.047	3000	750	3360	158	23.7	22.9	22.0	9	9	9	14	28	32	27.5	5.1
C4ASYB_2680__C_	0.068	3000	750	3360	228	17.0	16.2	15.3	9	10	11	14	28	32	27.5	5.1
C4ASYB_3100__E_	0.1	3000	750	3360	336	12.4	11.5	10.5	9	13	15	18	33	32	27.5	10.2
C4ASYB_3150__G_	0.15	3000	750	3360	504	9.2	8.2	7.2	9	14	19	22	37	32	27.5	10.2
C4ASYB_3220__F_	0.22	3000	750	2070	455	10.5	9.4	8.2	9	14	18	20	40	41.5	37.5	10.2
C4ASYB_3330__H_	0.33	3000	750	2070	682	7.9	6.8	5.6	9	14	21	24	44	41.5	37.5	10.2
C4ASYB_3470__M_	0.47	3000	750	1280	601	10.1	9.0	7.7	9	14	20	30	45	57.5	52.5	10.2
C4ASYB_3820__N_	0.82	3000	750	1280	1050	7.2	6.0	4.6	9	14	27	35	50	57.5	52.5	20.3

