

E62 (AC) Series (AC Cylindrical Metallized Polypropylene Film Capacitors)

Features

- Perfect for non-sinusoidal voltages and pulsed currents.
- Housed in a hermetically sealed aluminum can which is filled with environmentally friendly plant oil.
- The integrated overpressure disconnecter ensure safe operation and controlled disconnection overload or failure at the end of operating life

Specifications

Item	Specification
Category temperature range	-40 ~ +70°C (+85°C / Includes self temperature rise)
Storage temperature	-40 ~ +85°C
Rated voltage (UN)	420 ~ 4,000Vac
Stud bolt (torque)	M12×16 / 18 (15 ±1Nm)
Standards	IEC 61071 : 2007
Dielectric	Polypropylene
Dielectric dissipation factor (tan δ ₀)	2 × 10 ⁻⁴
Capacitance tolerance	±10% (optional ±5%)
Safety devices	Overpressure disconnecter
Impregnant	Liquid, based on vegetable oil, Non PCB
Material of case	Aluminum
Environmental regulations	Comply with RoHS



Numbering system: e.g. E62, 420VAC, 60 μF, φ50×85Lmm, G1terminal

E62 . G 85 - 603 G1 0 / H

- Auxiliary symbol
- Terminal symbol
- Capacitance
- Case length
- Case diameter symbol
- Series name

Standard Value and Case Size

Rated Capacitance <i>C_N</i> [μF]	Case size		Max current (rms) <i>I_{max}</i> [Arms]	Max peak current <i>I</i> [kA]	Max surge current <i>I_s</i> [kA]	Series resistance (reference) <i>R_s</i> [mΩ]	Self inductance (reference) <i>ESL</i> [nH]	Thermal resistance (reference) <i>R_{th}</i> [K/W]	Terminal	Weight [kg]	MOQ [pcs]	Part number
	<i>φD</i> [mm]	<i>L</i> [mm]										
Rated AC voltage <i>U_N</i> (AC) : 420Vac			<i>U_{rms}</i> : 300V <i>U_S</i> : 1,050V Test voltage (T-T) <i>U_{TT}</i> : 1,050Vdc Test voltage (T-C) <i>U_{TC}</i> : 3,000Vac									
42.5	60	80	20	0.8	2.5	2.3	90	9.3	Z1	0.3	30	E62.K80-433Z10/H
60	50	85	32	0.7	2.1	3.3	100	10.5	G1	0.2	105	E62.G85-603G10/H
75	60	105	40	0.8	2.5	2.1	110	7.1	C68	0.3	350	E62.K10-753C68/H
95	65	105	30	1.0	3.0	2.3	110	6.5	Z1	0.4	250	E62.L10-953Z10/H
100	65	95	40	1.15	3.45	3.1	100	7.2	G1	0.3	100	E62.L95-104G10/H
120	75	105	50	1.4	4.2	1.0	140	5.7	C6	0.5	32	E62.M10-124C60/H
130	65	109	40	1.2	3.6	3.4	110	6.3	G1	0.4	220	E62.L10-134G10/H
130	75	105	45	1.4	4.0	1.6	110	5.7	S2	0.5	32	E62.M10-134S20/H
150	65	135	35	1.2	3.6	4.4	110	5.1	G1	0.5	100	E62.L13-154G10/H
167	85	112	56	1.8	5.0	1.2	110	4.7	S2	0.7	170	E62.N11-174S20/H
170	85	105	50	2.0	6.0	0.82	140	5	C6	0.6	30	E62.N10-174C60/H
200	65	145	30	1.2	3.6	4.4	140	4.7	G1	0.5	160	E62.L14-204G10/H
217	95	112	56	2.4	7.0	1.1	110	4.2	S2	0.9	30	E62.P11-224S20/H
220	95	105	50	2.5	7.5	1.3	140	4.5	C6	0.8	30	E62.P10-224C60/H
250	85	176	80	3.0	10.0	1.2	160	3	C6	1.2	95	E62.N17-254C60/H
340	85	169	56	1.8	3.0	1.8	110	3.1	S2	1.0	75	E62.N16-344S20/H
400	85	245	80	4.5	13.5	0.68	160	2.1	C6	1.5	30	E62.N24-404C60/H
434	95	179	56	5.0	14.0	1.0	120	2.6	S2	1.3	63	E62.P17-434S20/H
470	95	176	80	5.3	15.9	0.53	160	2.7	C6	1.3	30	E62.P17-474C60/H
500	100	176	80	5.7	17.1	0.57	160	2.5	C6	1.5	30	E62.Q17-504C60/H
540	95	245	80	6.0	18.0	0.9	170	1.9	C6	2.2	39	E62.P24-544C60/H
2,000	136	320	100	15	20	0.6	190	1	C6	4.9	30	E62.S32-205C60/H

POWER ELECTRONICS USE PLASTIC FILM CAPACITORS

Standard Value and Case Size

Rated Capacitance C_N [μ F]	Case size		Max current (rms) I_{max} [Arms]	Max peak current \hat{I} [kA]	Max surge current I_s [kA]	Series resistance (reference) R_s [m Ω]	Self inductance (reference) ESL [nH]	Thermal resistance (reference) R_{th} [K/W]	Terminal	Weight [kg]	MOQ [pcs]	Part number
	ϕD [mm]	L [mm]										
Rated AC voltage U_N (AC) : 500Vac			U_{rms} : 360V U_s : 1,260V Test voltage (T-T) U_{TT} : 1,260Vdc Test voltage (T-C) U_{TC} : 3,000Vac									
30	60	80	20	0.7	2.2	2.4	90	9.3	Z1	0.3	600	E62.K80-303Z10/H
40	50	85	30	0.6	1.7	3.6	100	10.5	G1	0.2	483	E62.G85-403G10/H
50	55	85	25	0.7	2.1	4.4	110	9.5	G1	0.2	414	E62.H85-503G10/H
55	60	105	40	0.7	2.2	2.2	110	7.1	C68	0.3	350	E62.K10-553C68/H
70	65	105	30	0.9	2.8	2.4	110	6.5	Z1	0.4	250	E62.L10-703Z10/H
75	65	95	40	1.0	3.0	2.3	100	7.2	G1	0.3	280	E62.L95-753G10/H
100	65	135	40	0.9	2.7	4.3	120	5.1	G1	0.5	170	E62.L13-104G10/H
150	85	124	56	1.6	5.0	1.4	110	4.2	S2	0.8	145	E62.N12-154S20/H
200	75	176	56	2.8	8.4	1.5	130	3.4	S2	0.8	105	E62.M17-204S20/H
250	85	169	56	1.6	5.0	1.9	110	3.1	S2	1.0	85	E62.N16-254S20/H
300	95	176	80	4.1	12.3	1.1	160	2.7	C6	1.3	63	E62.P17-304C60/H
320	95	179	56	4.0	13	1.0	120	2.6	S2	1.3	63	E62.P17-324S20/H
620	116	245	100	9.0	15	0.58	160	1.6	C6	2.7	24	E62.R24-624C60/H
750	116	245	100	10	20	0.57	170	1.6	C6	2.7	27	E62.R24-754C60/H
1,000	136	245	100	14	20	0.56	170	1.3	C6	3.7	20	E62.S24-105C60/H
1,500	136	320	100	15	20	0.5	190	1	C6	4.9	28	E62.S32-155C60/H
Rated AC voltage U_N (AC) : 640Vac			U_{rms} : 450V U_s : 1,500V Test voltage (T-T) U_{TT} : 1,500Vdc Test voltage (T-C) U_{TC} : 3,000Vac									
15	50	62	25	0.24	0.7	2.9	100	14.4	G1	0.1	105	E62.G62-153G10/H
23	60	80	20	0.7	2.0	2.5	90	9.3	Z1	0.3	30	E62.K80-233Z10/H
30	50	85	33	0.5	1.4	3.9	100	10.5	G1	0.2	105	E62.G85-303G10/H
41	60	105	40	0.6	1.9	2.4	110	7.1	C68	0.3	30	E62.K17-413C68/H
50	65	95	40	0.8	2.4	3.4	100	7.2	G1	0.3	100	E62.L95-503G10/H
52	65	105	30	0.8	2.4	2.5	110	6.5	Z1	0.4	30	E62.L10-523Z10/H
68	65	109	30	0.9	2.7	3.7	100	6.3	G1	0.4	100	E62.L10-683G10/H
75	75	105	45	1.2	3.6	1.5	110	5.7	S2	0.5	32	E62.M10-753S20/H
80	85	105	45	1.3	3.8	1.5	110	5.0	S2	0.6	30	E62.N10-803S20/H
100	85	120	80	3.0	9.0	0.53	100	4.4	C6	0.9	30	E62.N12-104C60/H
120	95	105	50	1.9	5.8	1.20	110	4.5	S2	0.8	30	E62.P10-124S20/H
140	85	164	100	4.0	12	0.81	160	3.2	C6	1.0	30	E62.N16-144C60/H
155	85	149	56	1.4	4.0	1.8	110	3.5	S2	0.9	100	E62.N14-164S20/H
200	95	176	80	3.5	10.5	0.7	160	2.7	C6	1.3	30	E62.P17-204C60/H
220	95	159	56	1.8	5.0	1.7	130	2.9	S2	1.2	75	E62.P15-224S20/H
250	100	176	80	4.0	12.0	0.63	160	2.5	C6	1.5	30	E62.Q17-254C60/H
250	95	176	56	4.0	12.0	1.40	130	2.7	S2	1.3	30	E62.P17-254S20/H
350	116	176	80	5.6	16.8	0.57	160	2.2	C6	2.0	30	E62.R17-354C60/H
500	116	245	100	7.8	20.0	0.6	170	1.6	C6	2.7	30	E62.R24-504C60/H
750	116	320	100	12.0	20.0	0.64	190	1.2	C6	3.5	30	E62.R32-754C60/H
800	136	245	100	12.8	20.0	0.63	170	1.3	C6	3.7	20	E62.S24-804C60/H
1,000	136	320	100	15.6	20.0	0.62	190	1.0	C6	4.9	30	E62.S32-105C60/H
Rated AC voltage U_N (AC) : 680Vac			U_{rms} : 480V U_s : 1,680V Test voltage (T-T) U_{TT} : 1,680Vdc Test voltage (T-C) U_{TC} : 3,000Vac									
17.5	60	80	20	0.6	1.7	2.6	90	9.3	Z1	0.3	600	E62.K80-183Z10/H
31	60	105	40	0.6	1.7	2.6	110	7.1	C68	0.3	30	E62.K10-313C68/H
39	65	105	30	0.7	2.1	2.7	110	6.5	Z1	0.4	250	E62.L10-393Z10/H
60	75	105	43	1.1	3.3	1.6	110	5.7	S2	0.5	32	E62.M10-603S20/H
68	85	105	45	1.2	3.6	1.5	110	5.0	S2	0.6	30	E62.N10-683S20/H
86	85	124	56	1.3	4.0	1.6	110	4.2	S2	0.8	145	E62.N12-863S20/H
100	100	105	56	1.8	5.5	1.3	110	4.2	S2	0.9	30	E62.Q10-104S20/H
100	95	120	80	3.0	10.0	1.1	150	3.9	C6	0.9	30	E62.P12-104C60/H
150	116	124	80	5.0	14.0	0.95	150	3.2	C6	1.3	30	E62.R12-154C60/H
152	95	149	56	1.6	5.0	1.7	110	3.1	S2	1.1	75	E62.P14-154S20/H
180	95	176	56	4.0	11.0	1.4	130	2.7	S2	1.3	30	E62.P17-184S20/H
200	100	176	80	3.7	11.1	0.66	160	2.5	C6	1.5	30	E62.Q17-204C60/H
280	116	176	80	5.1	15.3	0.6	160	2.2	C6	2.0	30	E62.R17-284C60/H
400	116	245	100	7.3	20.0	0.6	170	1.6	C6	2.7	30	E62.R24-404C60/H
600	136	245	100	10.7	20.0	0.56	170	1.3	C6	3.7	30	E62.S24-604C60/H
800	136	320	100	14.8	20.0	0.63	190	1.0	C6	4.9	30	E62.S32-804C60/H

PLASTIC FILM CAPACITORS

POWER ELECTRONICS USE PLASTIC FILM CAPACITORS

Standard Value and Case Size

Rated Capacitance C_N [μ F]	Case size		Max current (rms) I_{max} [Arms]	Max peak current \hat{i} [kA]	Max surge current I_s [kA]	Series resistance (reference) R_s [m Ω]	Self inductance (reference) ESL [nH]	Thermal resistance (reference) R_{th} [K/W]	Terminal	Weight [kg]	MOQ [pcs]	Part number
	ϕD [mm]	L [mm]										
Rated AC voltage U_N (AC) : 750Vac			$U_{rms} : 530V$ $U_s : 1,900V$ Test voltage (T-T) $U_{TT} : 1,890Vdc$ Test voltage (T-C) $U_{TC} : 3,000Vac$									
10	50	62	20	0.4	1.2	3.1	110	14.4	G1	0.1	105	E62.G62-103G10/H
13	60	80	20	0.5	1.4	2.8	90	9.3	Z1	0.3	600	E62.K80-133Z10/H
20	50	85	27	0.4	1.2	4.2	100	10.5	G1	0.2	105	E62.G85-203G10/H
24	60	105	40	0.5	1.4	2.9	110	7.1	C68	0.3	350	E62.K10-243C68/H
30	65	105	30	0.6	1.8	3.2	110	6.5	Z1	0.4	30	E62.L10-303Z10/H
33	65	95	37	0.7	2.0	3.6	100	7.2	G1	0.3	100	E62.L95-333G10/H
40	65	109	30	0.7	2.0	5.6	120	6.3	G1	0.4	100	E62.L10-403G10/H
47	75	105	43	1.0	2.9	1.9	110	5.7	S2	0.5	208	E62.M10-473S20/H
60	65	145	35	0.7	2.0	6.2	140	4.7	G1	0.5	150	E62.L14-603G10/H
60	85	105	45	1.2	3.7	1.5	110	5.0	S2	0.6	160	E62.N10-603S20/H
65	85	124	56	1.1	3.0	1.8	110	4.2	S2	0.8	145	E62.N12-653S20/H
75	95	105	56	1.5	4.6	1.4	110	4.5	S2	0.8	30	E62.P10-753S20/H
80	100	105	43	4.6	5.0	1.3	110	4.2	S2	0.9	30	E62.Q10-803S20/H
116	95	149	56	1.4	4.0	1.8	110	3.1	S2	1.1	75	E62.P14-124S20/H
150	95	176	56	3.1	9.3	1.4	130	2.7	S2	1.3	30	E62.P17-154S20/H
150	100	176	80	3.1	9.3	0.7	160	2.5	C6	1.5	30	E62.Q17-154C60/H
220	116	176	80	4.5	13.5	0.61	160	2.2	C6	2.0	30	E62.R17-224C60/H
330	116	245	100	6.8	20.0	0.61	170	1.6	C6	2.7	30	E62.R24-334C60/H
350	116	245	100	6.8	20.0	0.59	160	1.6	C6	2.7	27	E62.R24-354C60/H
500	136	245	100	10.1	20.0	0.56	170	1.3	C6	3.7	20	E62.S24-504C60/H
600	136	320	100	12.4	20.0	0.64	190	1.0	C6	4.9	30	E62.S32-604C60/H
Rated AC voltage U_N (AC) : 850Vac			$U_{rms} : 600V$ $U_s : 2,100V$ Test voltage (T-T) $U_{TT} : 2,100Vdc$ Test voltage (T-C) $U_{TC} : 3,000Vac$									
10.5	60	80	20	0.4	1.3	2.9	90	9.3	Z1	0.3	600	E62.K80-113Z10/H
15	50	85	25	0.3	0.9	4.6	80	10.5	G1	0.2	462	E62.G85-153G10/H
16	50	85	30	0.4	1.1	4.5	100	10.5	G1	0.2	462	E62.G85-163G10/H
19	60	105	40	0.4	1.3	3.1	110	7.1	C68	0.3	350	E62.K10-193C68/H
24.5	65	105	30	0.6	1.7	3.4	110	6.5	Z1	0.4	300	E62.L10-253Z10/H
25	65	95	40	0.6	1.7	3.9	100	7.2	G1	0.3	280	E62.L95-253G10/H
30	65	109	30	0.6	1.7	4.4	110	6.3	G1	0.4	250	E62.L10-303G10/H
33	75	105	40	0.8	2.3	1.9	110	5.7	S2	0.5	224	E62.M10-333S20/H
47	85	105	45	1.1	3.2	1.6	110	5.0	S2	0.6	150	E62.N10-473S20/H
50	65	145	25	1	2	6	120	5	G1	0.5	150	E62.L14-503G10/H
60	95	105	50	1	4	1	110	5	S2	0.8	120	E62.P10-603S20/H
80	85	176	80	2	5	2	160	3	C6	1.2	90	E62.N17-803C60/H
94	95	149	56	1	4	2	110	3	S2	1.1	75	E62.P14-943S20/H
120	95	176	80	3	8	1	160	3	C6	1.3	60	E62.P17-124C60/H
130	100	176	80	3	9	1	160	3	C6	1.5	57	E62.Q17-134C60/H
180	116	176	80	4	12	1	160	2	C6	2.0	39	E62.R17-184C60/H
270	116	245	100	6	19	1	170	2	C6	2.7	24	E62.R24-274C60/H
400	136	245	100	9	20	1	170	1	C6	3.7	34	E62.S24-404C60/H
500	136	320	100	11	20	0	190	1	C6	4.9	30	E62.S32-504C60/H
Rated AC voltage U_N (AC) : 1,000Vac			$U_{rms} : 720V$ $U_s : 2,500V$ Test voltage (T-T) $U_{TT} : 2,520Vdc$ Test voltage (T-C) $U_{TC} : 3,500Vac$									
4.7	50	62	25	0.5	1.4	3.6	110	14.4	G1	0.1	105	E62.G62-472G10/H
6.8	60	80	20	0.7	2.2	2.4	90	9.3	Z1	0.3	30	E62.K80-682Z10/H
8	50	85	26	0.5	1.4	4.0	120	10.5	G1	0.2	105	E62.G85-802G10/H
10	50	85	26	0.6	1.7	3.6	100	10.5	G1	0.2	105	E62.G85-103G10/H
12	55	85	30	0.7	2.1	3.0	110	9.5	G1	0.2	108	E62.H85-123G10/H
13	60	105	40	0.7	2.2	2.3	110	7.1	C68	0.3	350	E62.K10-133C68/H
16	65	95	40	1.0	2.9	3.3	110	7.2	G1	0.3	100	E62.L95-163G10/H
16.5	65	105	30	0.9	2.8	2.7	110	6.5	Z1	0.4	300	E62.L10-253Z10/H
18	65	95	40	1.0	3.0	3.2	100	7.2	G1	0.3	100	E62.L95-183G10/H
20	75	105	50	1.2	3.5	1.2	140	5.7	C6	0.5	32	E62.M10-203C60/H
28	85	105	50	1.6	4.9	0.94	140	5.0	C6	0.6	30	E62.N10-283C60/H
33	95	105	50	1.9	5.7	0.85	140	4.5	C6	0.8	30	E62.P10-333C60/H
36	85	124	56	1.6	5.0	1.4	110	4.2	S2	0.8	145	E62.N12-363S20/H
64	95	149	56	2.1	6.0	1.5	110	3.1	S2	1.1	75	E62.P14-643S20/H
68	95	176	80	3.9	11.7	0.65	160	2.7	C6	1.3	30	E62.P17-683C60/H
80	100	176	80	4.6	13.8	0.61	160	2.5	C6	1.5	30	E62.Q17-803C60/H
120	116	176	80	7.0	20.0	0.54	160	2.2	C6	2.0	30	E62.R17-124C60/H
180	116	245	100	10.4	20.0	0.57	170	1.6	C6	2.7	30	E62.R24-184C60/H
220	116	320	100	14.2	20.0	0.64	180	1.2	C6	3.5	30	E62.R32-224C60/H
250	136	245	100	14.5	20.0	0.54	170	1.3	C6	3.7	30	E62.S24-254C60/H
330	136	320	100	15.0	20.0	0.61	190	1.0	C6	4.9	28	E62.S32-334C60/H

POWER ELECTRONICS USE PLASTIC FILM CAPACITORS

Standard Value and Case Size

Rated Capacitance C_N [μ F]	Case size		Max current (rms) I_{max} [Arms]	Max peak current \hat{I} [kA]	Max surge current I_S [kA]	Series resistance (reference) R_S [m Ω]	Self inductance (reference) ESL [nH]	Thermal resistance (reference) R_{th} [K/W]	Terminal	Weight [kg]	MOQ [pcs]	Part number
	ϕD [mm]	L [mm]										
Rated AC voltage U_N (AC) : 1,200Vac			$U_{rms} : 850V$ $U_S : 3,000V$ Test voltage (T-T) $U_{TT} : 3,000Vdc$ Test voltage (T-C) $U_{TC} : 4,000Vac$									
5	60	80	20	0.6	1.9	2.6	90	9.3	Z1	0.3	600	E62.K80-502Z10/H
6.8	50	85	33	0.5	1.5	3.7	100	10.5	G1	0.2	504	E62.G85-682G10/H
9.5	60	105	40	0.6	1.9	2.5	110	7.1	C68	0.3	350	E62.K10-952C68/H
10	65	95	40	0.7	2.1	3.7	100	7.2	G1	0.3	100	E62.L95-103G10/H
12	65	105	30	0.8	2.4	2.9	110	6.5	Z1	0.4	250	E62.L10-123Z10/H
15	65	109	40	0.8	2.4	3.9	120	6.3	G1	0.4	100	E62.L10-153G10/H
20	65	135	30	0.8	2.4	4.7	120	5.1	G11	0.5	180	E62.L13-203G11/H
26.5	85	124	56	1.4	4.0	1.6	110	4.2	S2	0.8	145	E62.N12-273S20/H
30	65	160	40	1.0	3.0	5.3	130	4.3	G1	0.6	130	E62.L16-303G10/H
32	100	105	50	2.0	6.0	0.79	140	4.2	C6	0.9	114	E62.Q10-323C60/H
33	85	140	56	1.3	4.0	2.2	140	3.7	S2	0.9	100	E62.N14-333S20/H
33	85	176	80	2.2	7.0	1.3	160	3.0	C6	1.2	110	E62.N17-333C60/H
40	85	176	80	2.7	8.1	0.76	160	3.0	C6	1.2	85	E62.N17-403C60/H
47	95	149	56	1.8	5.0	1.6	110	3.1	S2	1.1	75	E62.P14-473S20/H
53	85	245	80	4.0	11.0	1.0	160	2.1	C6	1.7	65	E62.N24-533C60/H
68	85	280	80	3.6	10.8	0.81	160	1.9	C6	1.8	50	E62.N28-683C60/H
80	95	245	80	5.0	15.0	1.0	170	1.9	C6	1.8	45	E62.P24-803C60/H
100	116	176	80	3.2	9.6	1.0	150	2.2	C6	2.0	30	E62.R17-104C60/H
150	116	280	100	8.0	20.0	1.4	180	1.4	C6	3.1	24	E62.R28-154C60/H
Rated AC voltage U_N (AC) : 1,350Vac			$U_{rms} : 960V$ $U_S : 3,300V$ Test voltage (T-T) $U_{TT} : 3,375Vdc$ Test voltage (T-C) $U_{TC} : 4,200Vac$									
4	50	85	26	0.3	1.0	5.0	120	10.5	G1	0.2	105	E62.G85-402G10/H
5	50	85	25	0.4	1.2	4.4	100	10.5	G1	0.2	105	E62.G85-502G10/H
6.8	55	85	25	0.5	1.6	4.0	110	9.5	G1	0.2	108	E62.H85-682G10/H
10	75	105	45	0.8	2.3	1.6	140	5.7	C6	0.5	32	E62.M10-103C60/H
15	85	105	50	1.1	3.3	1.2	120	5.0	C6	0.6	30	E62.N10-153C60/H
16	85	105	50	1.2	3.7	1.1	140	5.0	C6	0.6	30	E62.N10-163C60/H
20	95	105	50	1.5	4.6	0.96	140	4.5	C6	0.8	30	E62.P10-203C60/H
22	75	176	80	1.9	5.7	0.97	160	3.4	C6	0.8	30	E62.M17-223C60/H
40	95	176	80	3.1	9.3	0.71	160	2.7	C6	1.3	30	E62.P17-403C60/H
47	100	176	80	3.6	10.8	0.67	160	2.5	C6	1.5	30	E62.Q17-473C60/H
68	100	245	80	5.0	15.0	1.0	160	1.8	C6	2.0	30	E62.Q24-683C60/H
68	116	176	80	5.3	15.9	0.59	160	2.2	C6	2.0	30	E62.R17-683C60/H
100	116	245	100	7.7	20.0	0.6	170	1.6	C6	2.7	30	E62.R24-104C60/H
150	136	245	100	11.6	20.0	0.56	170	1.3	C6	3.7	30	E62.S24-154C60/H
200	136	320	100	15.0	20.0	0.62	190	1.0	C6	4.9	26	E62.S32-204C60/H
Rated AC voltage U_N (AC) : 1,700Vac			$U_{rms} : 1,200V$ $U_S : 4,200V$ Test voltage (T-T) $U_{TT} : 4,200Vdc$ Test voltage (T-C) $U_{TC} : 5,000Vac$									
4	75	105	48	0.8	1.8	2.8	140	5.7	C6	0.5	440	E62.M10-402C60/H
6.8	75	105	46	0.7	2.0	1.8	140	5.7	C6	0.5	248	E62.M10-682C60/H
10	85	105	50	1.0	2.9	1.3	140	5.0	C6	0.6	170	E62.N10-103C60/H
12	95	105	50	1.2	3.5	1.2	140	4.5	C6	0.8	120	E62.P10-123C60/H
12	75	176	80	1.9	5.7	1.4	160	3.4	C6	0.8	125	E62.M17-123C60/H
25	95	176	80	2.4	7.3	0.8	160	2.7	C6	1.3	69	E62.P17-253C60/H
30	100	176	80	2.9	8.7	0.73	160	2.5	C6	1.5	54	E62.Q17-303C60/H
40	116	176	80	3.9	11.7	0.65	160	2.2	C6	2.0	42	E62.R17-403C60/H
60	116	245	100	5.8	17.4	0.64	170	1.6	C6	2.7	24	E62.R24-603C60/H
90	136	245	100	8.7	20.0	0.58	170	1.3	C6	3.7	20	E62.S24-903C60/H
100	136	280	100	8.0	20.0	0.94	190	1.2	C6	4.3	34	E62.S28-104C60/H
125	136	320	100	12.1	20.0	0.64	190	1.0	C6	4.9	26	E62.S32-134C60/H
Rated AC voltage U_N (AC) : 2,000Vac			$U_{rms} : 1,400V$ $U_S : 5,100V$ Test voltage (T-T) $U_{TT} : 5,100Vdc$ Test voltage (T-C) $U_{TC} : 5,800Vac$									
10	75	176	40	1.2	3.5	2.1	170	3.4	C6	0.8	30	E62.M17-103C60/H
15	95	176	40	1.0	3.1	1.6	170	2.7	C6	1.3	72	E62.P17-153C60/H
20	100	176	50	2.3	7.0	1.3	160	2.5	C6	1.5	30	E62.Q17-203C60/H
30	116	176	50	3.6	10.8	1.0	160	2.2	C6	2.0	39	E62.R17-303C60/H
40	116	320	80	4.6	13.8	1.1	190	1.2	C6	3.5	39	E62.R32-403C60/H
50	136	245	100	9.0	20.0	0.88	170	1.3	C6	3.7	22	E62.S24-503C60/H
54	116	320	80	5.9	17.7	1.1	180	1.2	C6	3.5	39	E62.R32-543C60/H
60	116	320	100	6.0	18.0	1.0	180	1.2	C6	3.5	39	E62.R32-603C60/H
90	136	320	100	9.7	20.0	1.0	190	1.0	C6	4.9	26	E62.S32-903C60/H

PLASTIC FILM CAPACITORS

POWER ELECTRONICS USE PLASTIC FILM CAPACITORS

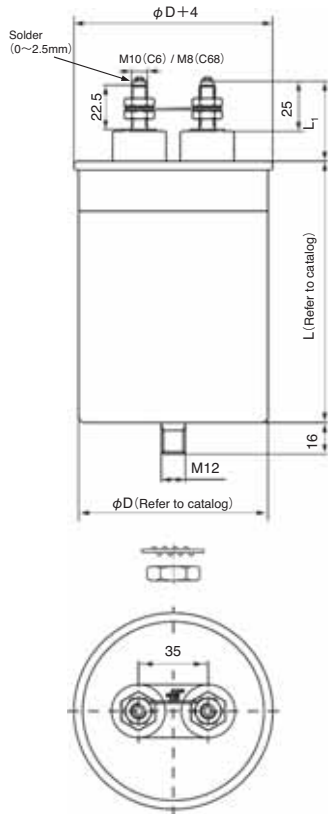
Standard Value and Case Size

Rated Capacitance C_N [μ F]	Case size		Max current (rms) I_{max} [Arms]	Max peak current \hat{i} [kA]	Max surge current I_s [kA]	Series resistance (reference) R_s [m Ω]	Self inductance (reference) ESL [nH]	Thermal resistance (reference) R_{th} [K/W]	Terminal	Weight [kg]	MOQ [pcs]	Part number
	ϕD [mm]	L [mm]										
Rated AC voltage U_N (AC) : 2,100Vac			U _{rms} : 1,500V U _s : 5,400V Test voltage (T-T) U _{TT} : 5,400Vdc Test voltage (T-C) U _{TC} : 6,200Vac									
13	95	176	80	2.6	8.0	1.3	160	2.7	C6	1.3	69	E62.P17-133C60/H
33	116	205	80	3.3	9.9	1.2	150	1.9	CR	2.4	39	E62.R20-333C60/H
40	116	320	100	5.4	16.2	1.1	180	1.2	CR	3.5	21	E62.R32-403CR0/H
60	136	320	100	7.9	20.0	1.0	190	1.0	CR	4.9	28	E62.S32-603CR0/H
70	136	320	100	8.0	20.0	1.1	190	1.0	CR	4.9	32	E62.S32-703CR0/H
Rated AC voltage U_N (AC) : 2,400Vac			U _{rms} : 1,700V U _s : 6,000V Test voltage (T-T) U _{TT} : 6,000Vdc Test voltage (T-C) U _{TC} : 6,800Vac									
6.8	75	176	40	0.9	2.8	2.5	160	3.4	C6	0.8	125	E62.M17-682C60/H
10	85	176	40	1.4	4.2	1.9	170	3.0	C6	1.2	85	E62.N17-103C60/H
20	116	176	50	2.7	8.0	1.6	160	2.2	C6	2.0	42	E62.R17-203C61/H
22	116	176	50	2.8	8.7	1.1	160	2.2	CR	2.0	39	E62.R17-223CR0/H
25	136	176	80	5.6	16.8	0.59	160	1.9	CR	2.6	28	E62.S17-253CR0/H
33	136	245	100	7.5	20.0	0.6	160	1.3	CR	3.7	22	E62.S24-333CR0/H
Rated AC voltage U_N (AC) : 4,000Vac			U _{rms} : 2,800V U _s : 7,500V Test voltage (T-T) U _{TT} : 7,500Vdc Test voltage (T-C) U _{TC} : 8,200Vac									
0.2	75	105	16	0.7	2.2	5.1	150	5.7	CR	0.6	312	E62.M10-201CR0/H
1.0	75	120	40	0.8	2.4	3.9	150	5.0	CR	0.6	250	E62.M12-102CR0/H
1.8	85	120	40	1.4	4.0	2.7	150	4.4	CR	0.9	140	E62.N12-182CR0/H
1.9	95	120	40	1.4	4.0	2.6	150	3.9	CR	0.9	138	E62.P12-192CR0/H
2.2	95	120	40	1.7	5.1	2.0	150	3.9	CR	0.9	114	E62.P12-222CR0/H
4.7	95	205	40	3.7	11.1	1.2	170	2.3	CR	1.6	54	E62.P20-472CR0/H
6.0	116	205	80	4.7	14.1	0.8	160	1.9	CR	2.7	42	E62.R20-602CR0/H
10	116	280	50	6.0	18.0	2.6	180	1.4	CR	3.1	27	E62.R28-103CR0/H

PLASTIC FILM CAPACITORS

Dimensions (E62 series)

C6 / C68 terminal
(Can diameter : $\phi 60 \sim 136\text{mm}$)



CR terminal
(Can diameter : $\phi 75 \sim 136\text{mm}$)

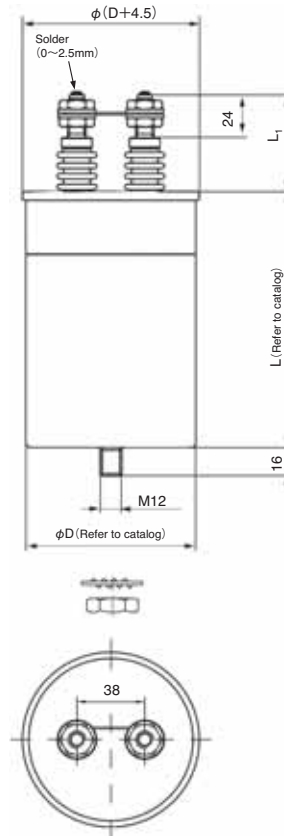


Table. Common Specification

Item	Specification
Terminal code	C6 / C68
Can material	Aluminum
Stud bolt	M12
Lid	Aluminum
Terminal	M10 bolt terminal, Plastic bushing
	Torque : 9Nm
	I_{\max} (terminal) : 100A
	M8 bolt terminal, Plastic bushing
Terminal	Torque : 4Nm
	I_{\max} (terminal) : 50A
Degree of protection	IP00
Humidity class	C

Table. Common Specification

Item	Specification
Terminal code	CR
Can material	Aluminum
Stud bolt	M12
Lid	Aluminum
Terminal	M10 bolt terminal, Celamic bushing
	Torque : 9Nm
	I_{\max} (terminal) : 100A
Degree of protection	IP00
Humidity class	C

Table. Dimensions

Unit : mm

D	L	Insulation distance	
		in Air	Creepage
60	41	19	23
65	41	19	23
75	41	15	25
85	41	15	25
95	41	15	25
100	41	15	25
116	37	15	25
136	36	15	25

Table. Dimensions

Unit : mm

D	L	Insulation distance	
		in Air	Creepage
75	56	17	54
85	56	17	54
95	56	17	54
100	56	17	54
116	54	17	54
136	51	17	54

Dimensions (E62 series)

G1 terminal
(Can diameter : $\phi 50/55/65\text{mm}$)

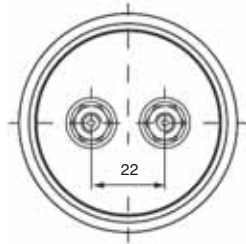
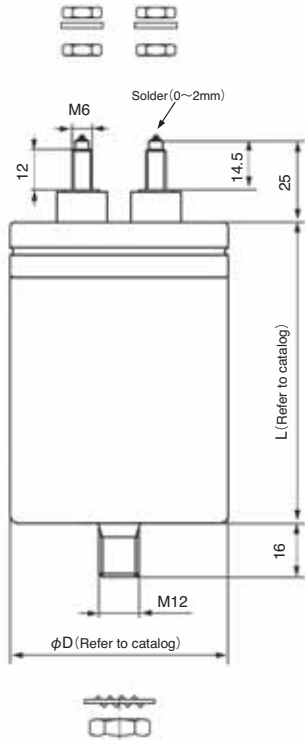


Table. Common Specification

Item	Specification
Terminal code	G1
Can material	Aluminum
Stud bolt	M12
Lid	Plastic, Rubber
Terminal	M6 bolt terminal, Plastic bushing
	Torque : 2Nm
	I_{\max} (terminal) : 40A
Degree of protection	IP00
Humidity class	F

Table. Dimensions

Unit : mm

D	Insulation distance	
	in Air	Creepage
50	10	15
55	10	16
65	10	21

Z1 / S2 terminal
(Can diameter : $\phi 60 \sim 136\text{mm}$)

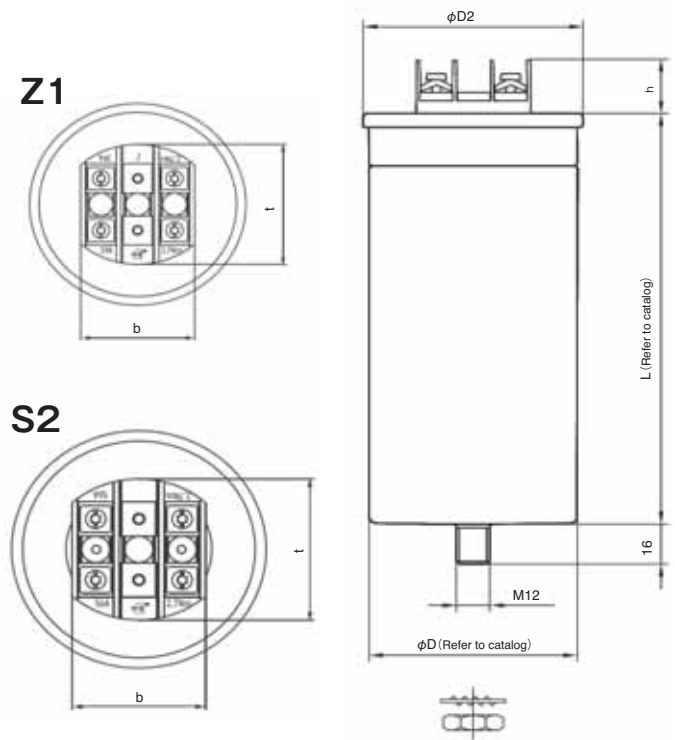


Table. Common Specification

Item	Specification	
Terminal code	Z1 / S2	
Can material	Aluminum	
Stud bolt	M12	
Lid	Aluminum	
Terminal	Z1	Max wire size: max 10mm ²
		Torque : 2.7Nm
		I_{\max} (terminal) : 39A
	S2	Clearance in air: 16mm
		Creepage distance: 16mm
		Max wire size: max 16mm ²
Degree of protection	IP00	
		Humidity class

Table. Dimensions

Unit : mm

Symbol	Z1	S2	
		D ≤ 100mm	D ≥ 116mm
h	27	23	18
b	41	47	47
t	43.5	53	53

D	D2
60	64.8
65	69.7
75	79.3
85	89.3
95	99.7
100	104.5
116	120.5
136	142