



ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

Registered Office & Factory :

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ISO 9001 : 2015
ISO 13485 : 2016

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GSTIN : 29AABCA1720D1ZA

An ISO 9001:2015 & ISO 13485:2016 Company

CATALOGUES 2025



Registered Office and Factory:

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Website: www.advance-capacitors.com

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ADVANCE IGBT SNUBBER CAPACITORS

Advance snubber capacitors are made using internationally accepted series metallised technology for self-healing property. Metal foil electrodes are used for high peak current capacities. Capacitor elements are non-inductive and encapsulated in a plastic box and potted with epoxy resin for environmental protection.

GENERAL :

- ◆ Non Polar
- ◆ Self Healing
- ◆ available with UL grade Housing and Epoxy Resin
- ◆ Low ESR, ESL
- ◆ Low Losses
- ◆ High Insulation Resistance
- ◆ Suitable for High Frequencies

APPLICATIONS :

- ◆ IGBT module protection
- ◆ Thyristor protection
- ◆ High pulse applications

TYPE: FKP-6M IGBT Module direct mounting type

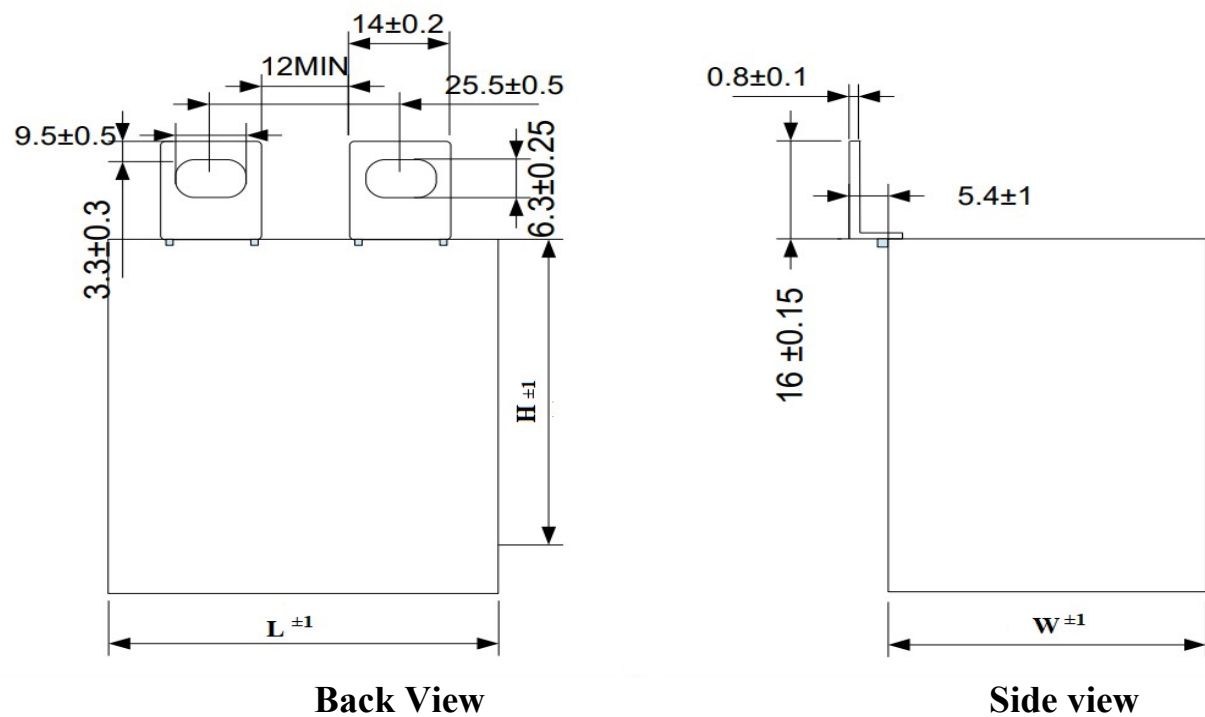
SPECIFICATIONS :

Temperature Range	: -55 °C to +100 °C
Tan Delta	: 0.0005 at 1 KHz
Insulation Resistance	: 5,000 M Ω * μ F
Test Voltage T/T	: 1.6 times rated dc voltage for 10 s
T/C	: 3 kVAC for 60 s
Climatic Category	: 40/85/56
Tolerance	: $\pm$ 5%, $\pm$ 10%, $\pm$ 20%
Terminals	: Tinned Copper Lugs

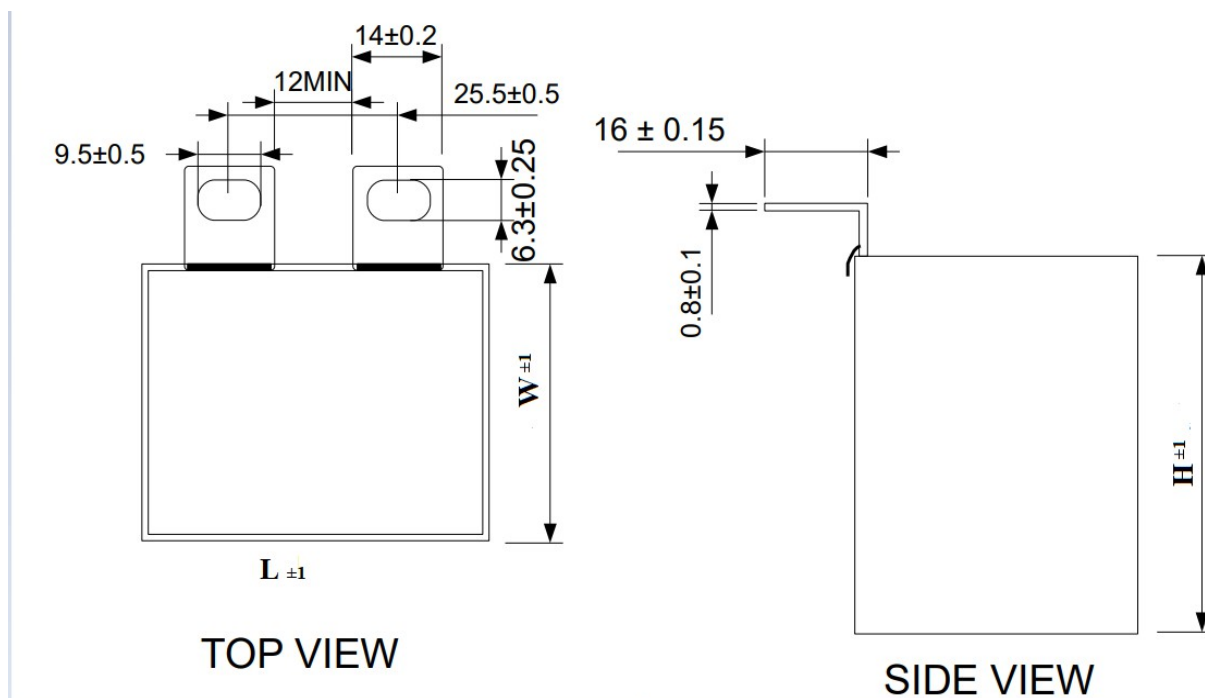


Dimensional details (in mm, not to scale):

Terminal Type RL



Terminal Type SL



Standard range:

RATED VOLTAGE 850VDC / 450VAC

CAPACITANCE	dv/dt	I _{peak}	I _{rms}	Typical ESR	CASE DIMENSIONS IN MM
μF	V/μS	A	A	mΩ	(WXHXL)
0.68	2000	1360	15	5.00	19x36x43
0.82	2000	1640	17	4.50	19x36x43
1	2000	2000	19	4.00	19x36x43
1.5	1500	2250	24	3.80	19x36x43
1.75	1500	2625	26	2.80	24X38X48
2	1500	3000	29	2.50	24X38X48
2.2	1500	3300	30	2.30	24X38X48
2.5	1500	3750	30	2.20	30X45X45
3	1500	4500	25	2.00	30X45X45
3.3	1500	4950	26	2.00	30X45X45
4	1500	6000	30	2.00	43X50X54
4.7	1500	7050	33	2.00	43X50X54
5.6	1500	8400	31	2.00	43X50X54
6.3	1500	9450	37	2.00	35X50X57.5

RATED VOLTAGE 1000VDC / 480VAC

CAPACITANCE	dv/dt	I _{peak}	I _{rms}	Typical ESR	CASE DIMENSIONS IN MM
μF	V/μS	A	A	mΩ	(WXHXL)
0.1	2000	200	5.60	10.30	17x29x41.5
0.15	2000	300	5.70	10.00	17x29x41.5
0.22	2000	440	15.80	9.00	17x29x41.5
0.27	2000	540	18.70	8.00	17x29x41.5
0.33	2000	660	19.70	5.00	19x36x43
0.39	2000	780	20.60	5.00	19x36x43
0.47	2000	940	21.10	3.50	19x36x43
0.56	1500	840	21.30	3.30	19x36x43
0.68	1500	1020	21.30	2.80	24X38X48
0.75	1500	1125	25.60	2.80	24X38X48
0.82	1500	1230	26.00	2.80	24X38X48
1	1500	1500	26.00	2.60	24X38X48
1.2	1500	1800	26.00	2.40	24X38X48
1.5	1500	2250	26.00	2.40	30X45X45
1.75	1500	2625	27.00	2.40	30X45X45
2	1500	3000	28.20	2.30	30X45X45
2.2	1500	3300	28.50	2.20	30X45X45
2.5	1500	3750	29.49	2.00	43X50X54
3	1500	4500	30.00	2.00	43X50X54
3.3	1500	4950	30.00	2.00	43X50X54
4	1500	6000	30.00	2.00	35X50X57.5

RATED VOLTAGE 1250VDC / 630VAC

CAPACITANCE	dv/dt	I _{peak}	I _{rms}	Typical ESR	CASE DIMENSIONS IN MM
μF	V/μS	A	A	mΩ	(WXHXL)
0.1	2000	200	5.60	10.50	17x29x41.5
0.15	2000	300	5.70	10.50	17x29x41.5
0.22	2000	400	15.80	9.20	17x29x41.5
0.27	2000	540	18.70	8.00	17x29x41.5
0.33	2000	660	19.70	5.20	19x36x43
0.39	2000	780	20.60	2.80	19x36x43
0.47	2000	940	21.10	2.80	19x36x43
0.56	1500	840	21.30	2.80	19x36x43
0.68	1500	1020	21.30	2.80	24X38X48
0.75	1500	1125	25.60	2.80	24X38X48
0.82	1500	1230	26.00	2.40	24X38X48
1	1500	1500	26.00	2.40	24X38X48
1.2	1500	1800	26.00	2.40	24X38X48
1.5	1500	2250	26.00	2.40	30X45X45
2	1500	3000	28.20	2.20	30X45X45
2.2	1500	3300	28.50	2.20	30X45X45

RATED VOLTAGE 1500VDC / 650VAC

CAPACITANCE	dv/dt	I _{peak}	I _{rms}	Typical ESR	CASE DIMENSIONS IN MM
μF	V/μS	A	A	mΩ	(WXHXL)
0.1	2000	200	5.60	10.30	17x29x41.5
0.15	2000	300	5.70	10.00	17x29x41.5
0.22	2000	440	18.20	9.20	19x36x43
0.27	2000	540	18.70	5.80	19x36x43
0.33	2000	660	19.70	5.20	19x36x43
0.39	2000	780	20.60	5.20	19x36x43
0.47	2000	940	21.10	3.60	24X38X48
0.56	1500	840	21.30	3.40	24X38X48
0.68	1500	1020	21.30	2.80	24X38X48
0.75	1500	1125	25.60	2.60	24X38X48
0.82	1500	1230	26.00	2.60	24X38X48
1	1500	1500	26.00	2.50	30X45X45
1.2	1500	1800	26.00	2.20	30X45X45
1.5	1500	2250	26.00	1.80	43X50X54
2	1500	3000	28.20	1.80	43X50X54

RATED VOLTAGE 2000VDC / 700VAC

CAPACITANCE	dv/dt	I _{peak}	I _{rms}	Typical ESR	CASE DIMENSIONS IN MM
μF	V/μS	A	A	mΩ	(WXHXL)
0.1	2000	200	8.00	10.30	17x29x41.5
0.15	2000	300	10.00	9.20	17x29x41.5
0.22	2000	440	21.00	9.20	19x36x43
0.33	2000	660	22.00	5.20	19x36x43
0.39	2000	780	22.50	5.20	19x36x43
0.47	2000	940	24.00	3.60	19x36x43
0.56	1500	840	24.00	3.40	24X38X48
0.68	1500	1020	24.00	2.80	24X38X48
0.75	1500	1125	24.00	2.80	30X45X45
1	1500	1500	25.00	2.20	43X50X54
2	1500	3000	28.00	1.80	43X54X58

RATED VOLTAGE 2500VDC / 725VAC

CAPACITANCE	dv/dt	I _{peak}	I _{rms}	Typical ESR	CASE DIMENSIONS IN MM
μF	V/μS	A	A	mΩ	(WXHXL)
0.1	2000	200	9	15.00	19x36x43
0.15	2000	300	12	14.00	19x36x43
0.22	2000	440	15	12.00	19x36x43
0.33	2000	660	19	10.00	19x36x43
0.47	2000	940	23	10.00	19x36x43

RATED VOLTAGE 3000VDC / 750VAC

CAPACITANCE	dv/dt	I _{peak}	I _{rms}	Typical ESR	CASE DIMENSIONS IN MM
μF	V/μS	A	A	mΩ	(WXHXL)
0.047	2500	117.5	6	20.00	19x36x43
0.068	2500	170	8	20.00	19x36x43
0.1	2500	250	11	16.00	24X38X48
0.15	2500	375	14	15.00	24X38X48
0.22	2500	550	15	14.00	30X45X45
0.33	2500	825	17	13.00	30X45X45

Note: Other capacitance values and voltage ratings available on request

Registered Office and Factory:

Advance Components and Instruments Pvt Ltd

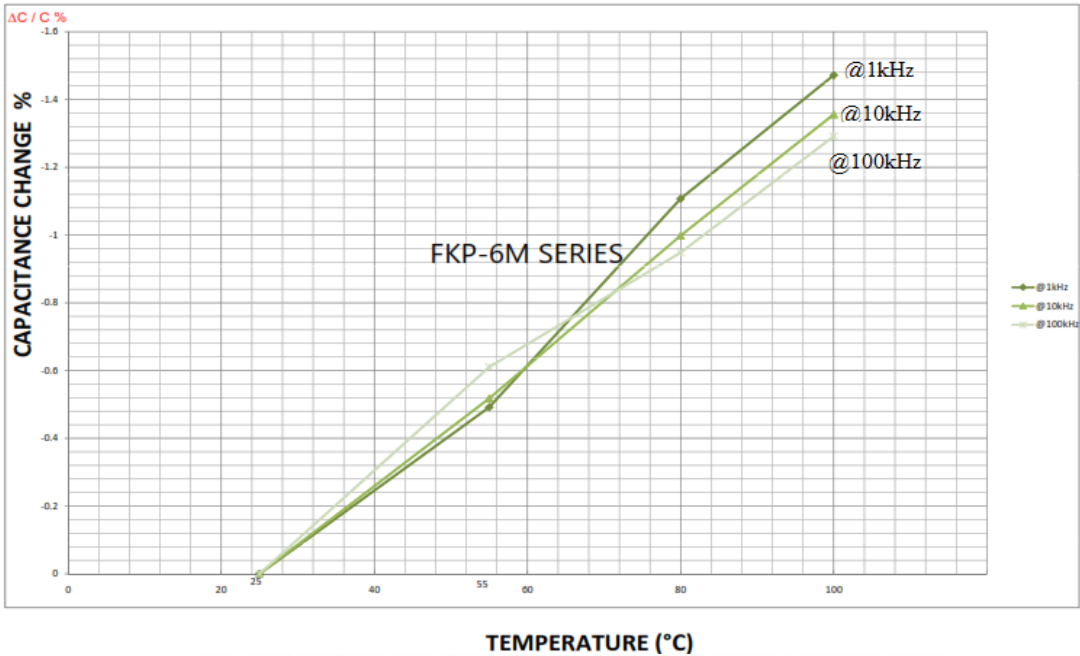
Phone: +91 821 2402301 / 2402307 Mobile & WhatsApp: +91 8073111025

E-mail : advcaps@gmail.com / enquiries@advancecapacitors.com

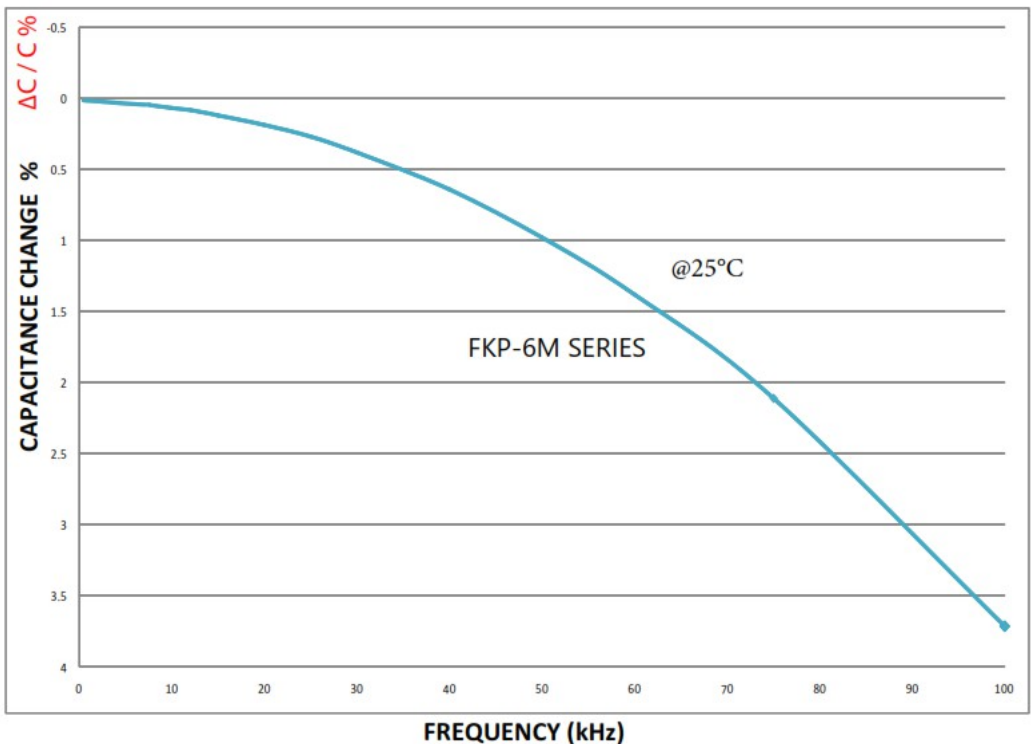
Website: www.advance-capacitors.com

Typical Graphs:

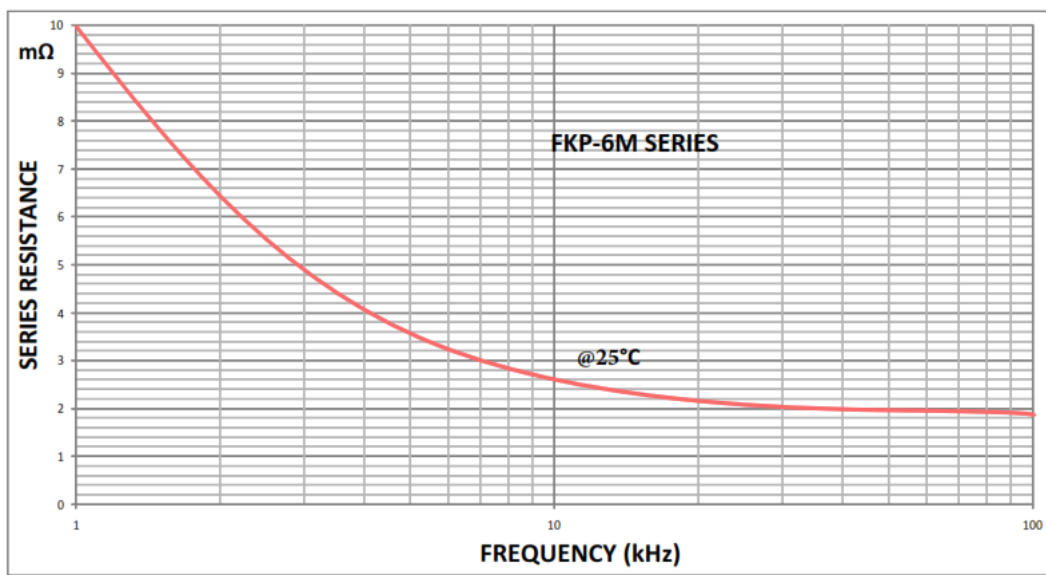
TYPICAL CAPACITANCE CHANGE VS TEMPERATURE GRAPH



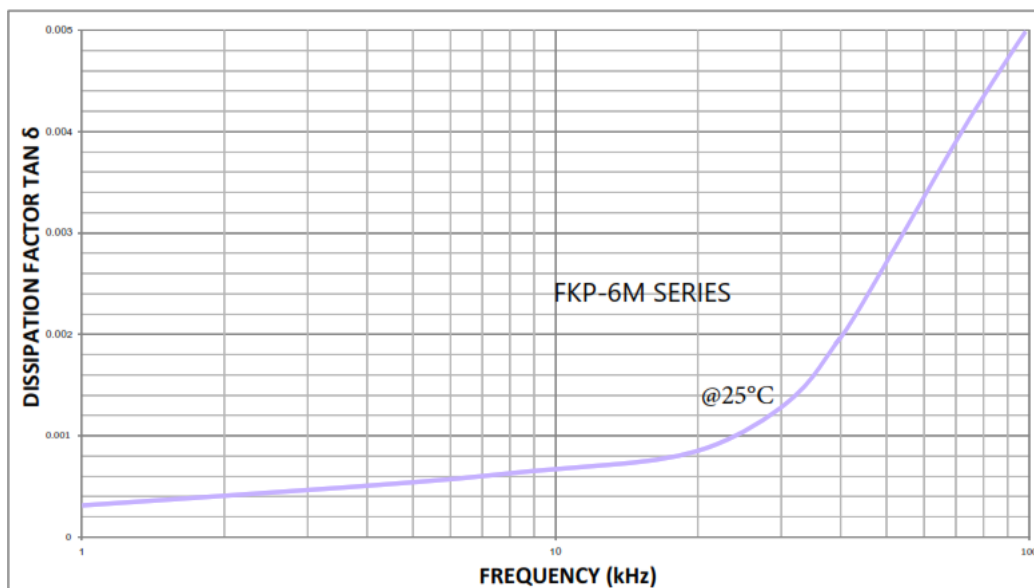
TYPICAL CAPACITANCE CHANGE VS FREQUENCY GRAPH



TYPICAL SERIES RESISTANCE VS FREQUENCY GRAPH



TYPICAL TAN δ VS FREQUENCY GRAPH



DZx series ADVANCE Dual IGBT Snubber capacitors

General Details

- ◆ Polypropylene Dielectric , Low Loss
- ◆ Self- Healing
- ◆ Flame Retardant UL94V0, RoHS compliant Housing
- ◆ Series Construction , high dv /dt rating
- ◆ Filled with thermosetting resin
- ◆ Snubber / Thyristor Protection
- ◆ High Pulse Applications
- ◆ Low ESR
- ◆ Voltage Ratings upto 2500Vdc
- ◆ Tolerance $\pm 5\%$, $\pm 10\%$

Specifications:

Temperature Range: -55°C to $+100^{\circ}\text{C}$

Insulation Resistance : $5000 \text{ M}\Omega * \mu\text{F}$

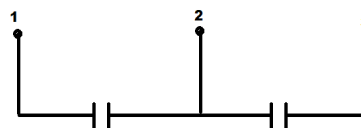
Test voltage between terminals: $1.5 \times$ rated DC voltage for 10S

Test voltage between terminals & case: 3Kvac, 50Hz for 10S

Climatic Category : 55/100/56

Terminals : Tinned Copper Clips

Internal connection - Capacitors in series



Marking details

ADVANCE
Value($\mu\text{F}+\mu\text{F}$), Tol. Code, Voltage rating
DZx Batch No. Type SL



Standard range:

Capacitance	Rated Voltage		Max. Current @100kHz, 70°C	dv/dt rating	Peak Current	Housing Dimensions, in mm			Drawing Reference
μF @1kHz	Vdc	Vac 50Hz	Irms, A	V/ μS	Ipk, A	W	L	H	
0.10 + 0.10	2500	750	15	1000	100	20	80	40	DZ2 / DZ3
0.22 + 0.22	2000	600	17	1000	200	20	80	40	
0.33 + 0.33	2000	600	18	1000	330	20	80	40	
0.47 + 0.47	1500	500	19	1000	470	20	80	40	
0.68 + 0.68	1200	400	20	1000	680	20	80	40	
1.00 + 1.00	1000	350	20	1000	1000	20	80	40	
1.20 + 1.20	1000	350	22	1000	1200	20	80	40	
1.50 + 1.50	700	250	24	1000	1740	20	80	40	
1.70 + 1.70	700	250	24	1000	1740	20	80	40	
2.00 + 2.00	600	200	25	1000	2000	20	80	40	
3.00 + 3.00	700	250	28	700	2100	30	85	35	

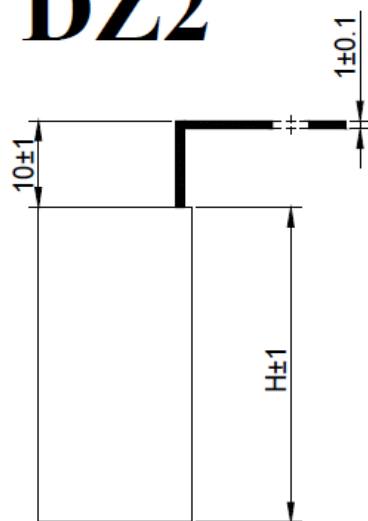
Note: Other capacitance & current rating , terminals pitch, custom made capacitors available on request

Registered Office and Factory:

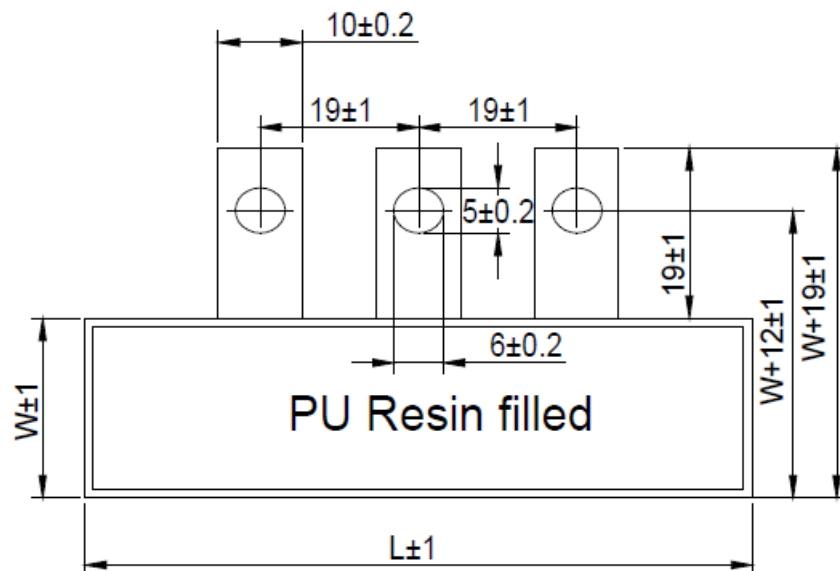
Advance Components and Instruments Pvt Ltd
 3A-3A/1, Belavadi Industrial Area ,Mysore – 570018 KARNATAKA
 Phone: +91 821 2402301 / 2402307 /2403058
 Mobile & WhatsApp: +91 8073111025
 E-mail : advcaps@gmail.com / enquiries@advancecapacitors.com
 Website: www.advance-capacitors.com

Dimensional details (in mm, not to scale) Terminal Style SL type

DZ2

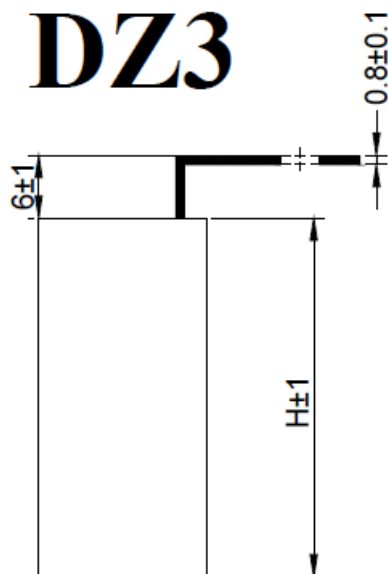


Side View

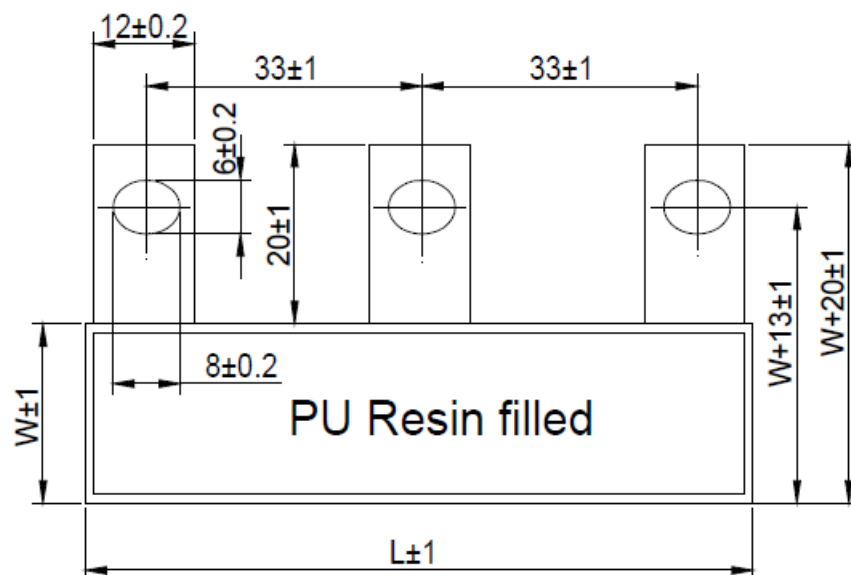


Top View

DZ3



Side View



Top View

ADVANCE DC LINK CAPACITORS

ADC-CPF-4 Series

ADC-CPF-4 series is a brand new capacitors in the DC Link Product range. These capacitors are designed for latest models of Inverters with unique 4 terminal design to ensure low inductance . Integrated mounting clamp technology with 4 mounting holes are designed to withstand high shock and vibrations.



TECHNICAL DETAILS:

Capacitance Range : 30 μ F to 1600 μ F

Rated Voltage range: 500Vdc to 2400Vdc

Tolerance : $\pm 5\%$, $\pm 10\%$

Max RMS current : 410A

Dielectric : Metallised Polypropylene Film

Casing : FR grade PBT housing with integrated mounting clamp
end filled with thermosetting epoxy resin UL94V0

Terminals (4) : Nickel / Tin Plated Brass Flange with internal threading

ESR , typical : < 2m Ω

ESL, typical : < 10 nH

Temperature Range : -40°C to +105°C

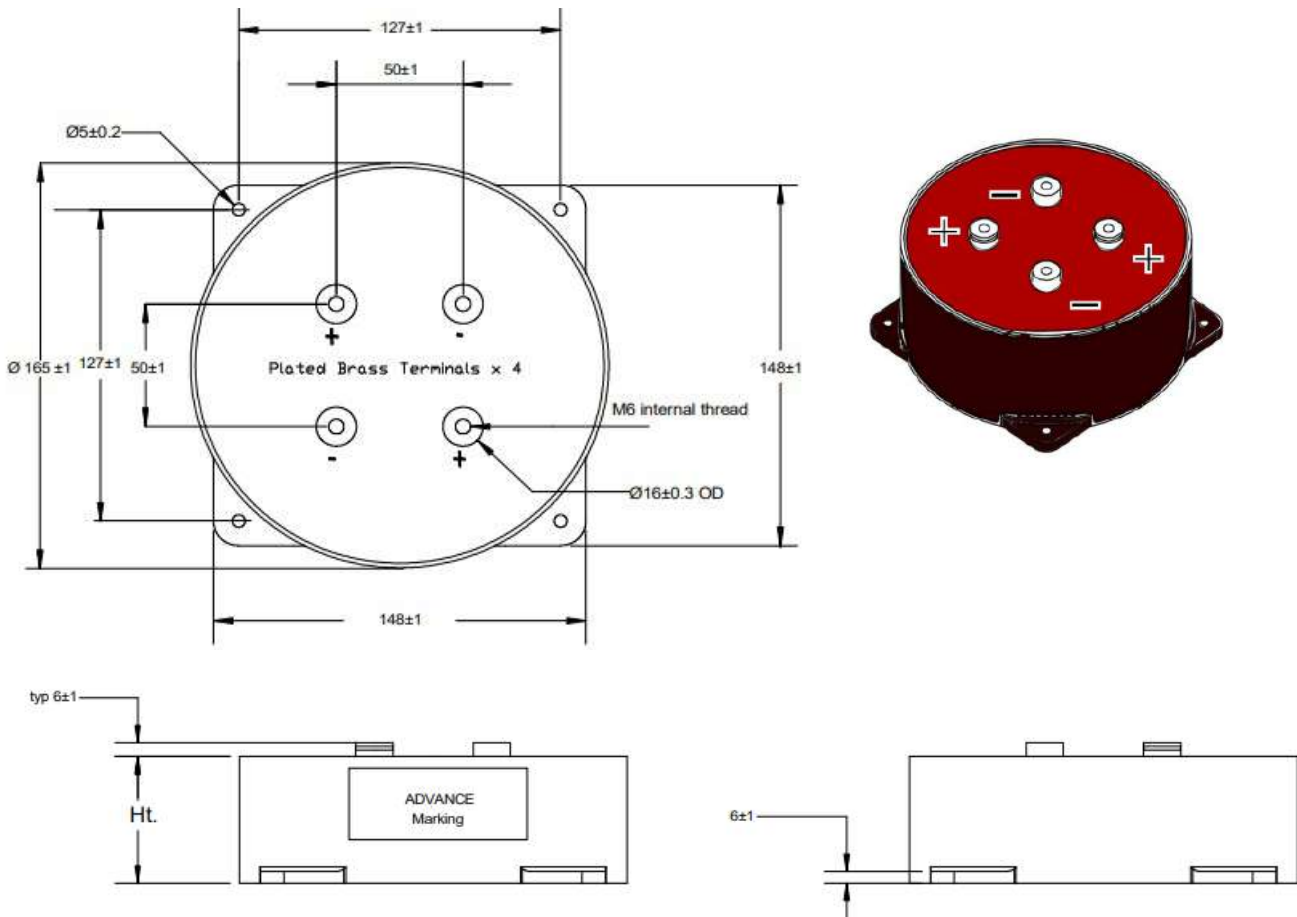
Standard reference : IEC 61071

Marking :

ADVANCE
ADC-CPF-4
Value, Tolerance
Voltage, Current
Part Code
Mysore – India

Dimensional Drawing in mm (not to scale)

ADC-CPF-4



Standard Capacitor Range

RATED VOLTAGE VDC	CAP µF	H mm	dv/dt (v/us)	Ipk Amps	Rms Current (10kHz)			
					25°C	55°C	85°C	105°C
500	500	50	33	16400	410	325	210	50
	1100	75	12	13400	335	266	172	41
	1600	100	8	12000	300	238	154	37
600	400	50	40	16000	400	317	205	49
	850	75	15	12800	320	254	164	39
	1200	100	9	10800	270	214	138	33
750	320	50	48	15200	380	302	195	46
	650	75	18	11600	290	230	149	35
	950	100	11	10400	260	206	133	32
900	220	50	64	14000	350	278	179	43
	550	75	20	10800	270	214	138	33
	800	100	13	10000	250	198	128	30
1100	150	50	85	12800	320	254	164	39
	370	75	28	10400	260	206	133	32
	550	100	17	9200	230	183	118	28
1400	110	50	80	8820	290	230	149	35
	270	75	36	9600	240	190	123	29
	400	100	21	8400	210	167	108	26
1600	90	50	112	10080	290	230	149	35
	210	75	44	9200	230	183	118	28
	310	100	26	8000	200	159	103	24
1800	70	50	126	8820	270	214	138	33
	160	75	53	8400	210	167	108	26
	240	100	31	7400	185	147	95	23
2000	50	50	180	9000	280	222	144	34
	120	75	70	8400	210	167	108	26
	200	100	36	7200	180	143	92	22
2400	30	50	216	6480	225	179	115	27
	85	75	78	6630	190	151	97	23
	140	100	47	6600	165	131	85	20

Note: Other Capacitance value and voltage ratings available are on request

Registered Office and Factory:

Advance Components and Instruments Pvt Ltd

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Website: www.advance-capacitors.com

ADVANCE DC LINK CAPACITORS

ADC-LH Series

ADC-LHx series is a brand new range of capacitors in the DC Link Product range. These capacitors are designed with very low ESL (<14nH), Aluminum Housing with integrated Aluminum mounting clamp (Heat-sink plate) for superior thermal conductivity. These are available in both Screw and Flange terminals. This range of capacitors provide very stable performance over a wide range of frequencies.

ADC-LHx range of capacitors are ideal for eMobility (Quick EV chargers), Induction Heating/ Welding machines and Medical Devices.



TECHNICAL DETAILS:

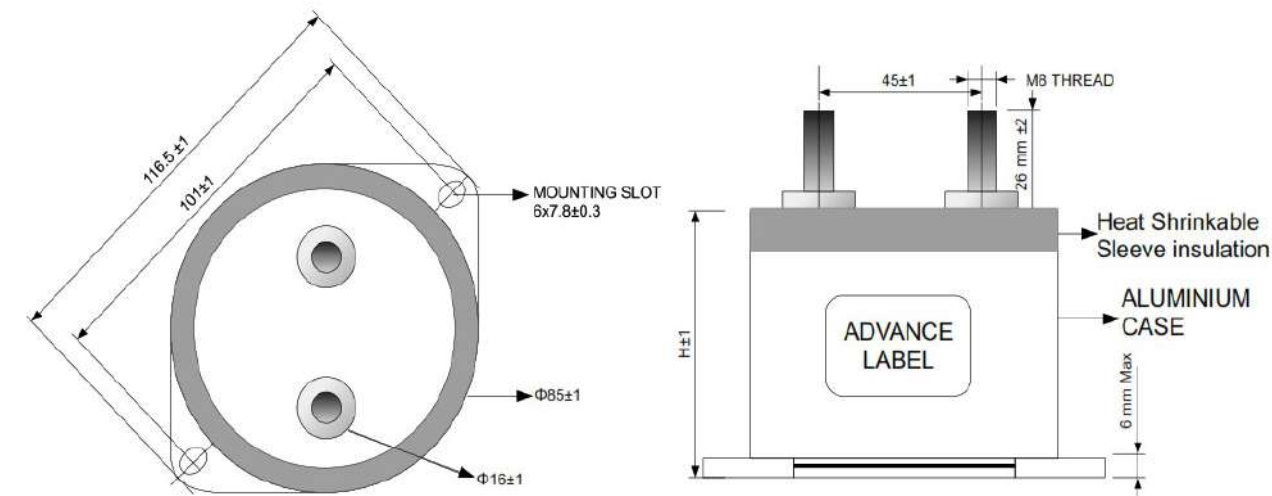
Capacitance Range	: 20µF to 500µF
Rated Voltage range (Vn)	: 500Vdc to 1500Vdc
Tolerance	: ±5% , ±10%
Max RMS current	: 100A
Dielectric	: Metallised Polypropylene Film
Casing	: Aluminum case with integrated aluminium mounting clamp end filled with thermosetting epoxy resin UL94V0
Terminals (2)	: Nickel / Tin Plated M8 Brass Screw terminals with Bush or Flange terminals with internal threading
Test voltage between terminals(10s)	: $1.3 \times V_{nDC}$
Insulation withstanding voltage between shorted terminals & body	: 4kV _{rms} , 50Hz
ESR	: < 0.7mΩ
ESL	: < 14nH
Temperature Range	: -40°C to +85°C
Climatic Category	: 40/85/21
Standard reference	: IEC 61071
RoHS Compliance	: Yes
Protection	: Protected / Unprotected

Marking :

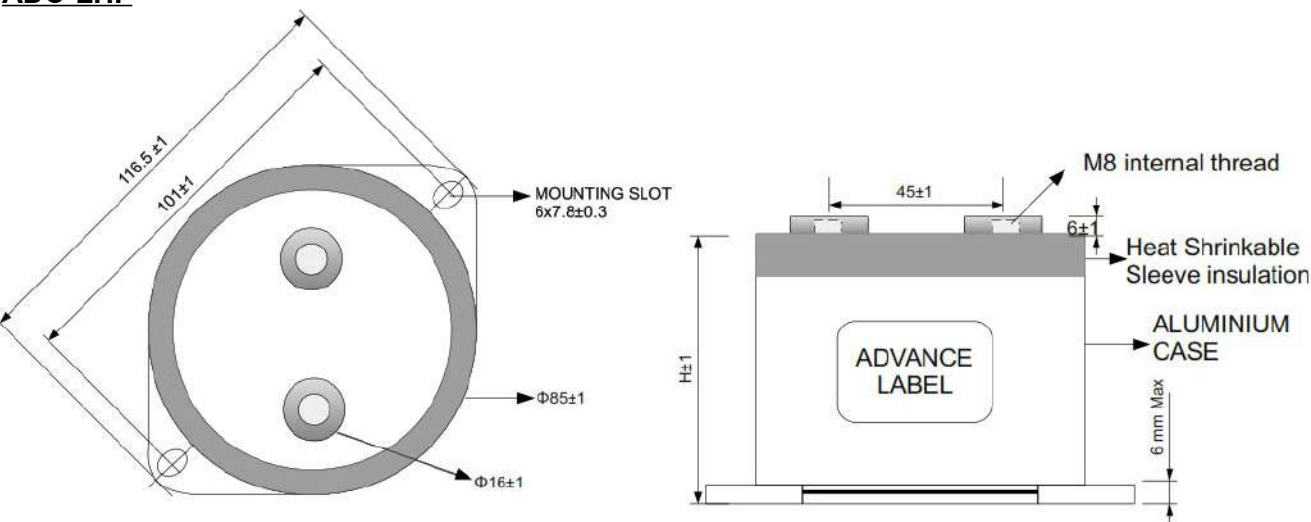
ADVANCE
ADC-LHx
Value, Tolerance
Voltage, Current
Part Code
Mysore – India

Dimensional Drawing in mm (not to scale)

ADC-LHS



ADC-LHF



Standard Capacitor Range :

Rated DC Voltage	Capacitance μF	Diameter $\pm 1\text{mm}$	Height H $\pm 1\text{mm}$
500	60	85	56
	70		56
	100		56
	150		56
	200		69
	500		130
600	60		56
	70		56
	100		56
	150		56
	200		69
	500		130
700	100		56
	150		56
	200		69
	500		130
800	20		45
	50		45
	60		45
	100		56
	140		69
	200		94
	325		130

Rated DC Voltage	Capacitance μF	Diameter $\pm 1\text{mm}$	Height H $\pm 1\text{mm}$
900	20	85	45
	50		45
	60		45
	100		56
	150		69
	200		94
1000	325		130
	50		56
	60		69
	66		69
	100		69
	225		130
1100	50		56
	60		69
	66		69
	100		69
	225		130
1200	175		130
1500	100		130

Note: Other Capacitance value and voltage ratings available are on request

Registered Office and Factory:

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E-mail : advcaps@gmail.com / enquiries@advancecapacitors.com

Website: www.advance-capacitors.com

ADVANCE DC LINK CAPACITORS (ADC-CPx series)

ADC-CPx Series capacitors available in FR grade plastic case (PBT and Akulon) filled with self-extinguishing FR grade UL94VO resin. Available in both Screw (ADC-CPS) and Flange (ADC-CPF) terminals with integrated bottom clamp for mounting.

Specifications:

Capacitance Range	: 20 μ F to 200 μ F
Rated Voltage range	: 500Vdc to 1800Vdc
Tolerance	: $\pm 5\%$ / $\pm 10\%$
Irms Max	: 100A
Dielectric	: Metallised Polypropylene Film
Test voltage between terminals(10s)	: 1.3 x Vn DC
Insulation withstanding voltage between shorted terminals & body	: 4kVrms , 50Hz
ESR	: As low as 0.7m Ω
Temperature Range	: -40°C to +85°C
Climatic Category	: 40/85/21
Standard reference	: IEC 61071
RoHS Compliance	: Yes
Protection	: Protected / Unprotected

Marking

ADVANCE Value,
Tolerance Voltage,
Current Part Code
Mysore – India

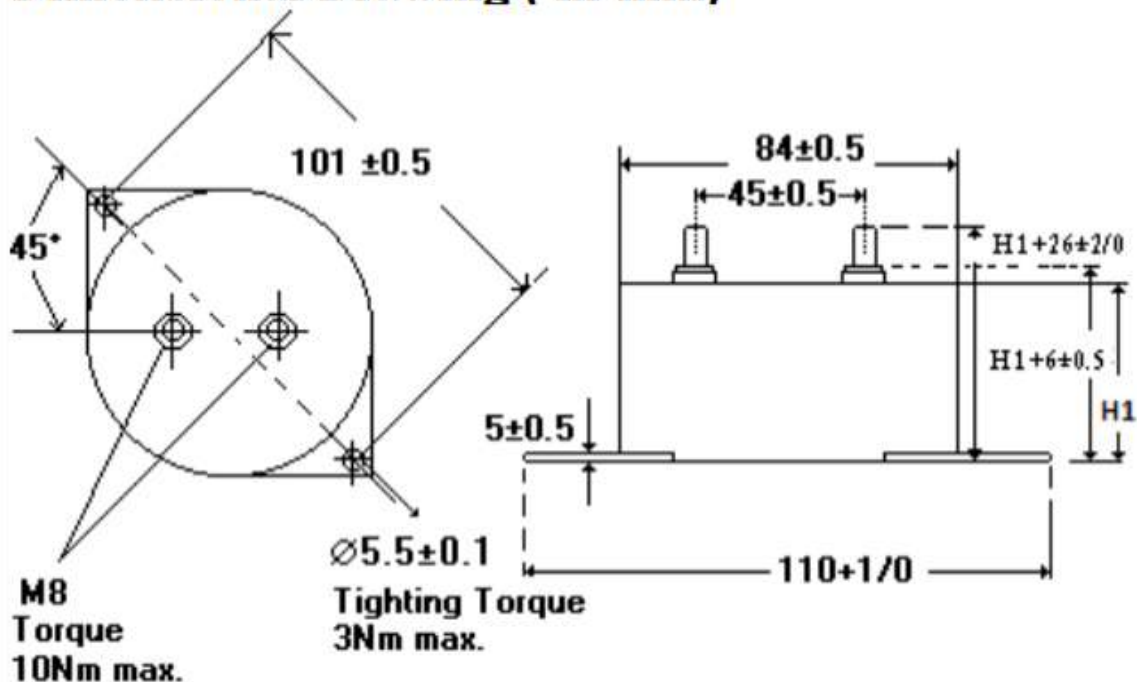


Standard Capacitor Range :

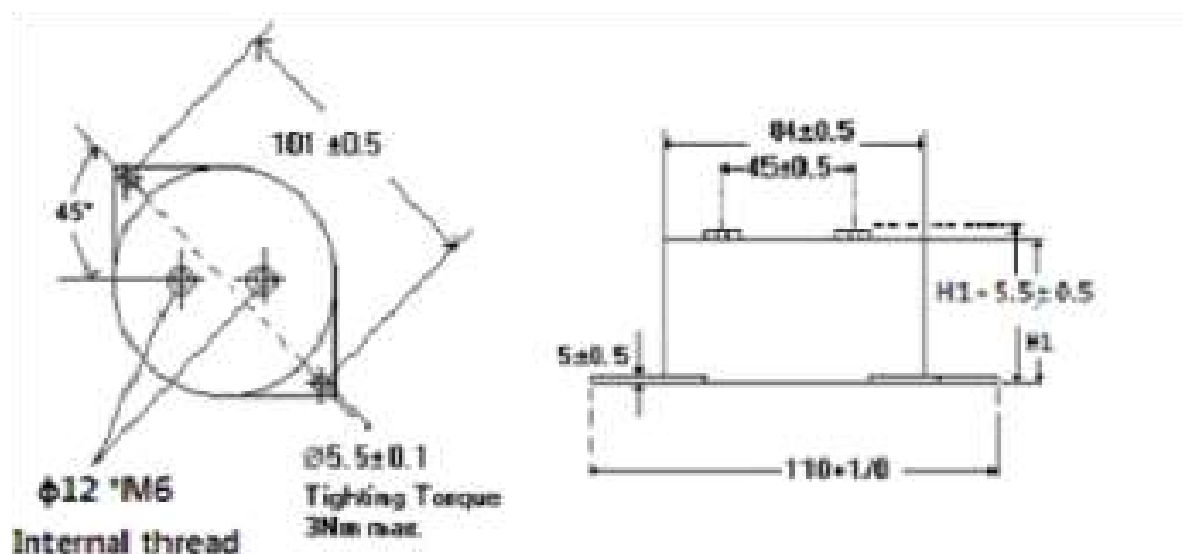
Rated DC Voltage	Capacitance @ 1kHz	Case Size in mm D X H1 (± 1)
500	100 μ F	84 x 51
	150 μ F	84 x 51
	200 μ F	84 x 64
600	100 μ F	84 x 51
800	20 μ F	84 x 40
	50 μ F	84 x 40
	60 μ F	84 x 40
	66 μ F	84 x 40
	70 μ F	84 x 40
	100 μ F	84 x 51
1000	50 μ F	84 x 51
	66 μ F	84 x 64
	100 μ F	84 x 64
	150 μ F	84 x 79
1100	75 μ F	84 x 64
1200	35 μ F	84 x 51
	50 μ F	84 x 64
1500	25 μ F	84 x 51
1800	10 μ F	84 x 40
1800	18 μ F	84 x 40

ADC-CPS type

Dimensional Drawing (in mm)



ADC-CPF Type





Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

Registered Office & Factory :

3A-3A/1, Belavadi Indl. Area, Mysore - 570 018. INDIA



ISO 9001 : 2015
ISO 13485 : 2016

Phone : +91 821 2402307, 2402301, 2403058

E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

ADVANCE DC LINK CAPACITORS (ADC-CAx series)

ADC-CAx series capacitors available in Aluminum can filled with self-extinguishing FR grade UL94VO resin. Available in both Screw and Flange terminals with bottom stud for mounting (optional)

Specifications:

Capacitance Range	: 100 μ F to 1200 μ F
Rated Voltage range	: Upto 1320 Vdc
Tolerance	: $\pm 5\%$ / $\pm 10\%$
Dielectric	: Metallised Polypropylene Film
Test voltage between terminals(10s)	: 1.3 x Vn DC
Insulation withstanding voltage between shorted terminals & case (60s)	: 2.5kVac , 50Hz
ESR	: As low as 0.7m Ω
Temperature Range	: -40°C to +85°C
Climatic Category	: 55/60/56
Standard reference	: IEC 61071
RoHS Compliance	: Yes
Protection	: Protected / Unprotected

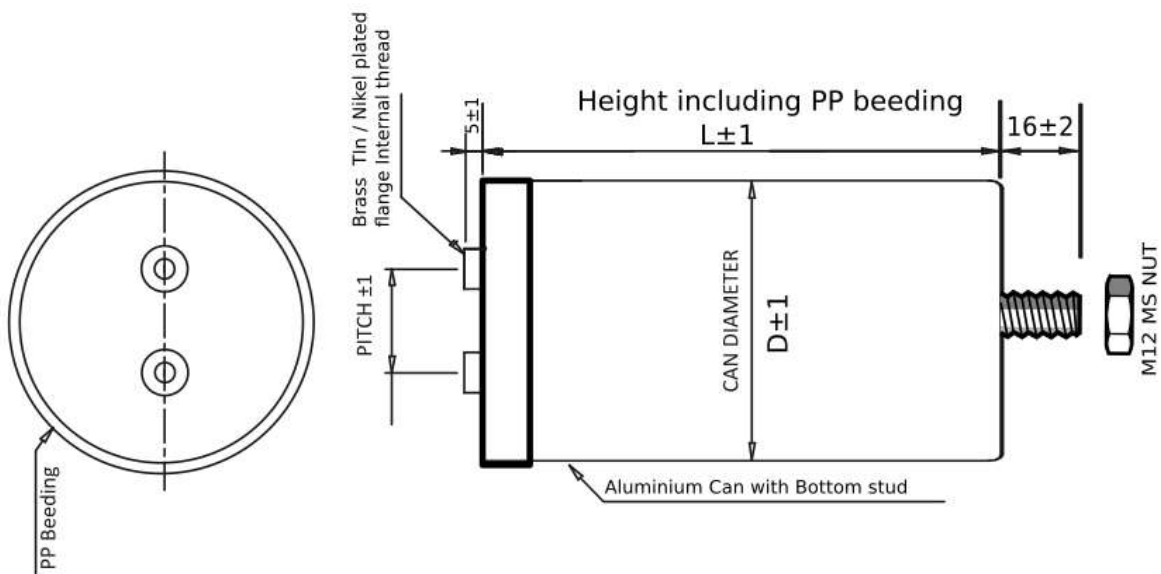
Marking

ADVANCE Value , Tolerance Voltage , Current Part Code Mysore – India DISCHARGE BEFORE HANDLING

Dimensional Drawing: All Dimensions are in mm , Not to scale

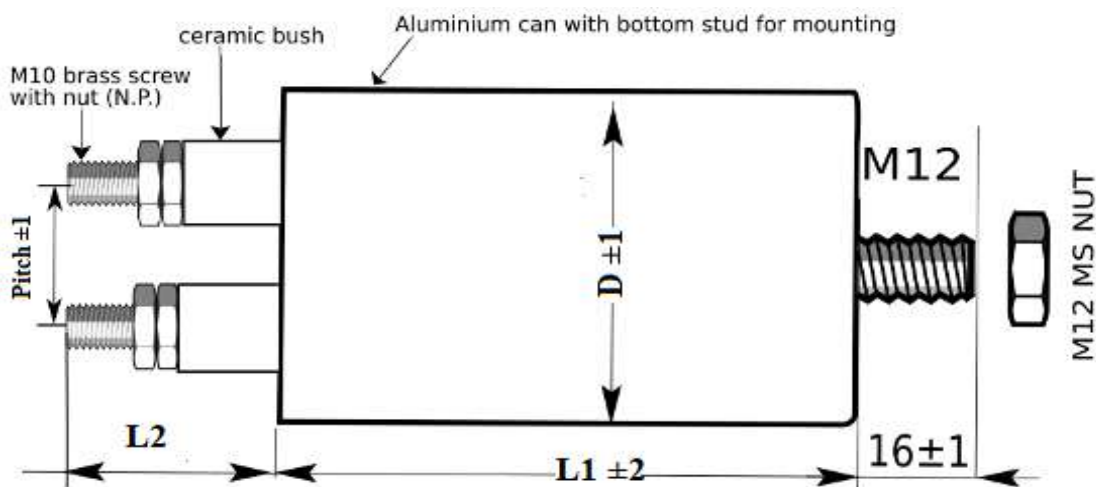
TYPE 1 ADC-CAF

Standard available Pitch = 35 & 50 mm



TYPE 2 ADC-CAS

Standard available Pitch = 35 & 50 m



Standard Capacitor Range :

Rated DC voltage VDC	Capacitance @ 1kHz	Current Max A	Case Dimensions (mm) D x L1	Case Dimensions (mm) D x L1
			ADC-CAF	ADC-CAS
900	300 μ F	40	100 x 133	100 x 130
	360 μ F	40	116 x 133	116 x 130
	400 μ F	40	116 x 133	116 x 130
	430 μ F	40	116 x 133	116 x 130
	475 μ F	60	136 x 133	136 x 130
	495 μ F	60	136 x 133	136 x 130
	540 μ F	60	136 x 133	136 x 130
	630 μ F	60	136 x 133	136 x 130
	610 μ F	60	136 x 133	136 x 130
	700 μ F	60	136 x 188	136 x 185
1320	140 μ F	25	116 x 98	116 x 95
	180 μ F	30	116 x 98	116 x 95
	200 μ F	40	116 x 98	116 x 95
	210 μ F	40	116 x 98	116 x 95
	260 μ F	45	116 x 98	116 x 95
	290 μ F	50	116 x 98	116 x 95
	310 μ F	52	116 x 98	116 x 95
	330 μ F	55	136 x 95	136 x 95
	360 μ F	58	116 x 183	116 x 180
	390 μ F	62	116 x 183	116 x 180
	400 μ F	65	116 x 183	116 x 180
	440 μ F	70	116 x 183	116 x 180
	480 μ F	72	116 x 183	116 x 180
	560 μ F	75	136 x 183	136 x 180
	590 μ F	80	136 x 183	136 x 180
	630 μ F	90	136 x 183	136 x 180

**ADVANCE COMPONENTS
AND INSTRUMENTS PVT. LTD.**

Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

Registered Office & Factory :

3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA



ISO 9001 : 2015
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Phone : +91 821 2402307, 2402301, 2403058

E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA



ADVANCE DC LINK CAPACITORS (ADC-RPx series)

ADC-RPx series capacitors available in FR grade plastic rectangular box and filled with self-extinguishing FR grade UL94VO resin with 2-pin and 4-pin configuration.

Specifications:

Capacitance Range	: 1 μ F to 50 μ F
Rated Voltage range	: 400Vdc to 1100Vdc
Tolerance	: $\pm 5\%$ / $\pm 10\%$
Dielectric	: Metallised Polypropylene Film
Test voltage between terminals(10s)	: 1.3 x Vn DC
ESR	: As low as 10m Ω
Temperature Range	: -40°C to +85°C
Climatic Category	: 40/85/21
Standard reference	: IEC 61071
RoHS Compliance	: Available

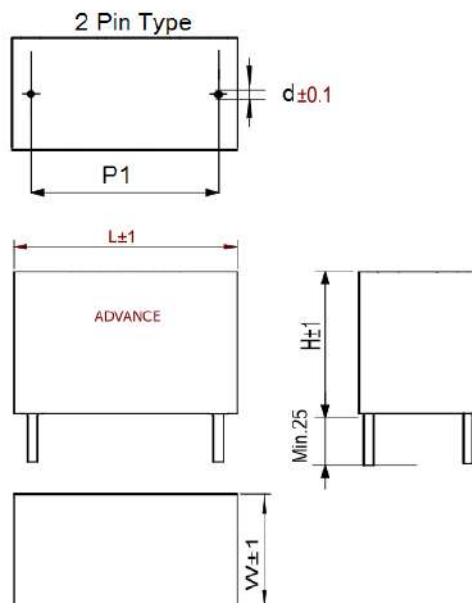


Marking

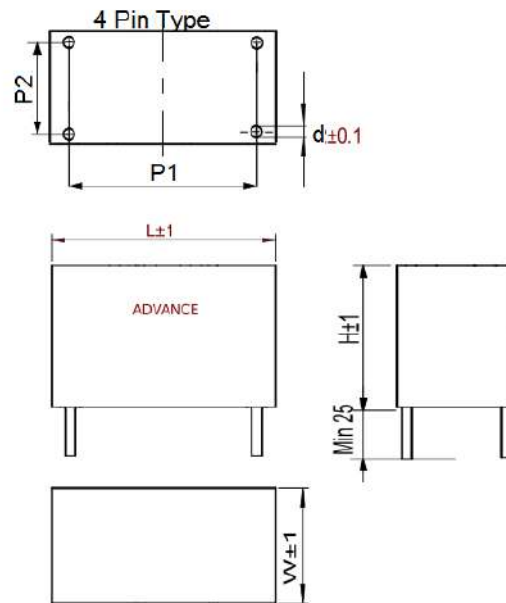
ADVANCE Value,
Tolerance Voltage,
Current Part Code

Dimensional Drawing: Dimensions(inmm) Not to Scale

ADC-RP2



ADC-RP4



Lead dia , d = 0.8 / 1.0 / 1.2 mm lead dia , Custom Pitch can be made as per requirements.

Standard Capacitor Range :

Rated DC Voltage	Capacitance @ 1kHz	Case Size in mm W x L X H (± 1)
400	4.7 μ F	17 x 42 x 19
500	10 μ F	19 x 43.5 x 36
	15 μ F	19 x 43.5 x 36
	20 μ F	35.5 x 57 x 50
	30 μ F	35.5 x 57 x 50
	50 μ F	35.5 x 57 x 50
	60 μ F	35.5 x 57 x 50
800	10 μ F	19 x 43.5 x 36
	15 μ F	19 x 43.5 x 36
	20 μ F	35.5 x 57 x 50
	30 μ F	35.5 x 57 x 50
	50 μ F	35.5 x 57 x 50
	60 μ F	35.5 x 57 x 50
1100	10 μ F	30 x 44 x 44

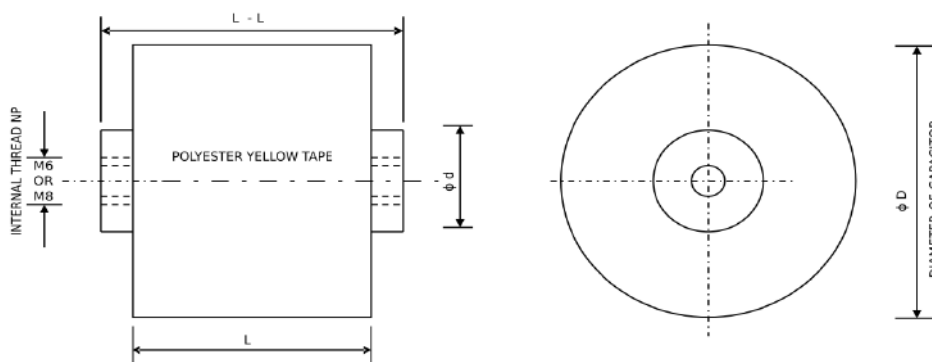
ADVANCE DC LINK CAPACITORS (ADC-AR series)

ADC-AR Series

ADC-AR series capacitors are axial round capacitor with UL grade plastic or wrap tape with Flange terminals

Specifications:

Capacitance	: 5 μ F to 400 μ F
Rated Voltage	: 400Vdc to 800Vdc
Tolerance	: $\pm 5\%$, $\pm 10\%$
Dielectric	: Metallised Polypropylene Film
Temperature Range	: -40°C to +85°C
Climatic Category	: 40/85/56



Marking

ADVANCE
ADC-AR Value,
Tolerance Voltage, Current
Batch No / Date

CC-1 Conduction Cooled Capacitors

CC-1 series Conduction Cooled Capacitors are high current, high power resonant capacitors with Copper blocks as the terminals.

Specifications:

Capacitance	: 0.025 μ F to 5 μ F
Rated Voltage	: up to 1000Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: up to 1200 Arms
Working frequency	: up to 1414kHz
Max Power Rating	: up to 600KVAR
Temperature Range	: -40°C to +85°C
Standard reference	: IEC 61071





CC1-300-AN Series Conduction Cooled capacitors

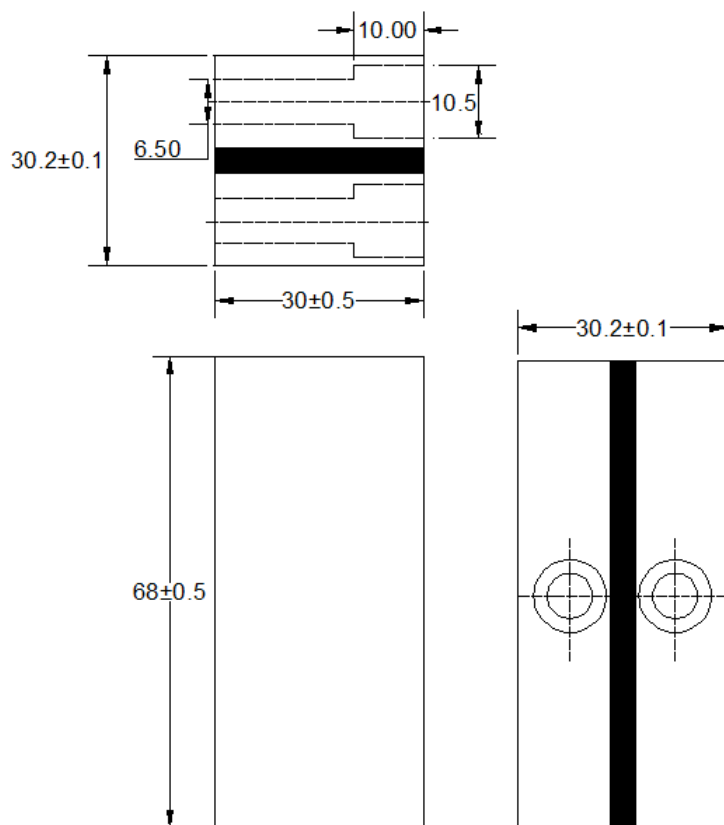
Specifications

- ☒ Polypropylene Dielectric
- ☒ Self- Healing
- ☒ Working frequency upto 478 kHz
- ☒ Flame Retardant UL94V0, RoHS compliant
- ☒ Conduction Cooled
- ☒ Non Polar
- ☒ Suitable for High Frequencies
- ☒ High Current

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.1	10	1000	300	300	478
0.17	10	1000	300	300	281
0.33	10	800	400	300	256
0.5	10	800	400	300	170
0.66	10	700	450	300	163
1.33	10	600	500	300	99
2.40	10	500	600	300	79

Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances ± 0.5 mm Not to scale



CC1-200-AN / AT Series Conduction Cooled capacitors

Specifications

- Polypropylene Dielectric

Conduction Cooled

Self- Healing

Non Polar

Working frequency upto 994 kHz

Suitable for High Frequencies

Flame Retardant UL94V0, RoHS compliant

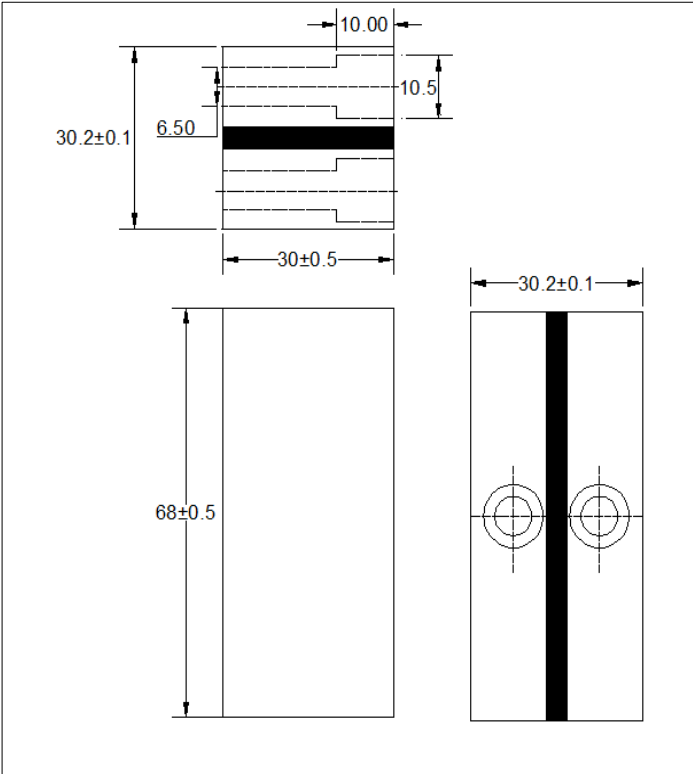
High Current

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
µF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.05	10	1000	250	200	994
0.1	10	1000	250	200	498
0.17	10	900	300	200	422
0.25	10	800	300	200	286
0.33	10	800	300	200	216
0.50	10	800	350	200	194
0.66	10	700	400	200	193
1.20	10	600	450	200	134
1.33	10	600	450	200	120
2.40	10	450	500	200	85

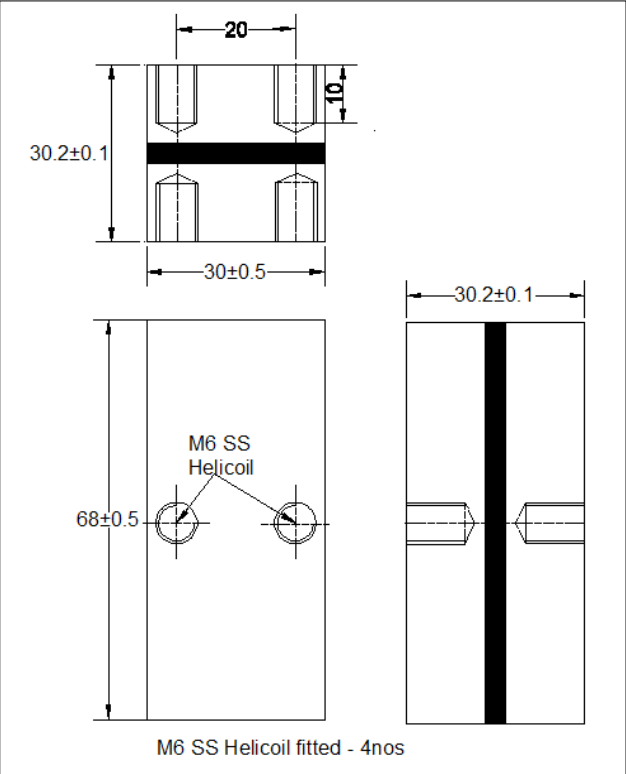
Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances ±0.5mm Not to scale

CC1-200-AN



CC1-200-AT





CC1-150-AN / AT Series Conduction Cooled capacitors

Specifications

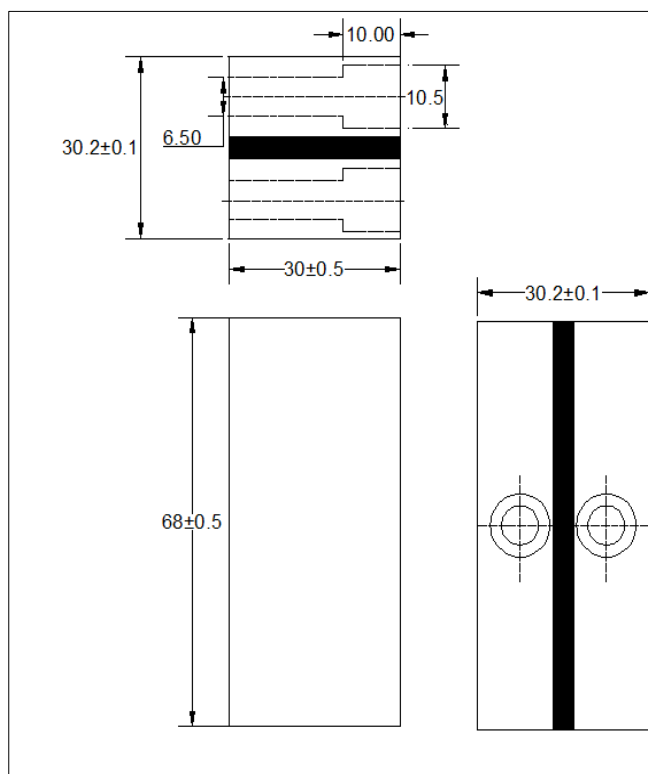
- ☒ Polypropylene Dielectric
- ☒ Self- Healing
- ☒ Working frequency upto 700 kHz
- ☒ Flame Retardant UL94V0, RoHS compliant
- ☒ Conduction Cooled
- ☒ Non Polar
- ☒ Suitable for High Frequencies
- ☒ High Current

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.05	10	1000	200	150	700
0.10	10	1000	200	150	423
0.17	10	700	250	150	389
0.25	10	700	250	150	265
0.33	10	700	250	150	200
0.50	10	700	250	150	132
0.66	10	600	300	150	145
1.20	10	500	300	150	80
1.33	10	500	300	150	72
2.40	10	400	400	150	75

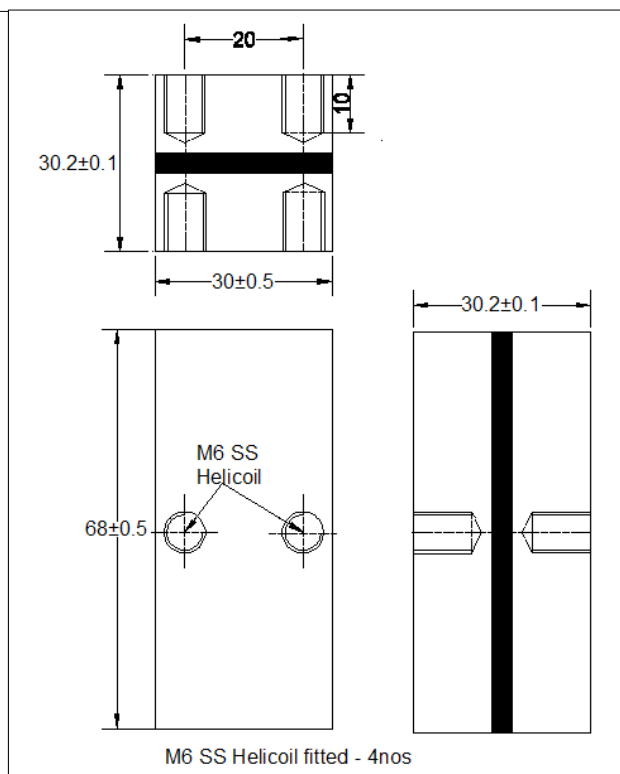
Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances ± 0.5 mm Not to scale

CC1-150-AN



CC1-150-AT





CC1-600-B Series Conduction Cooled capacitors

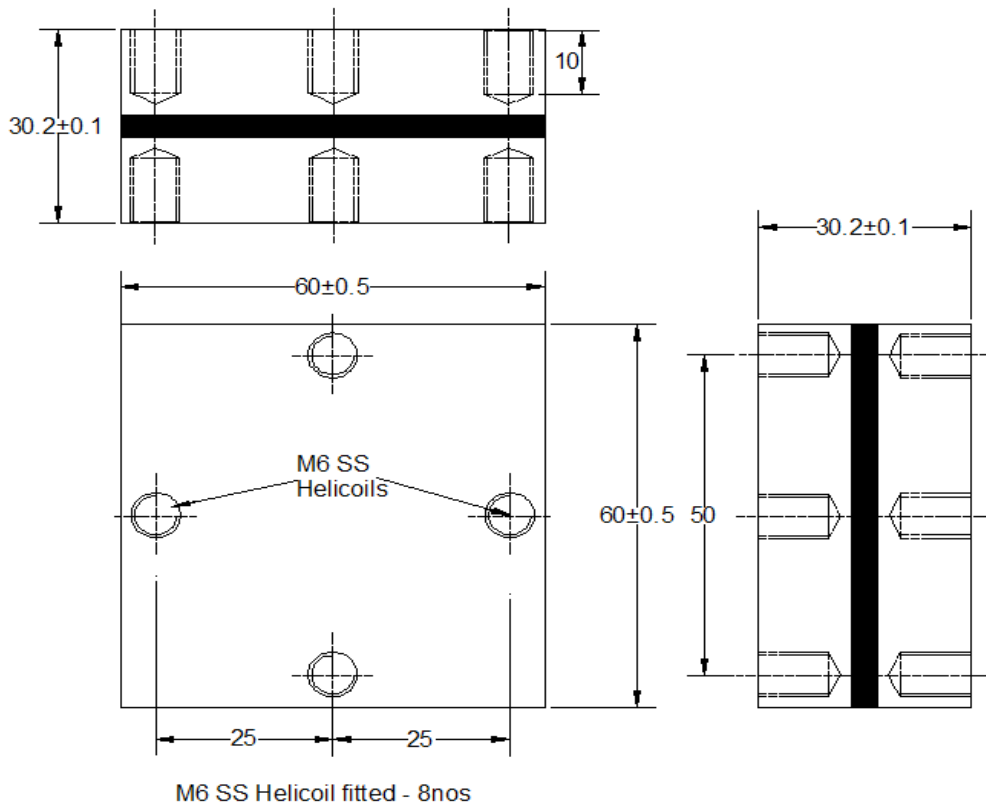
Specifications

- ☒ Polypropylene Dielectric
- ☒ Self- Healing
- ☒ Working frequency upto 290 kHz
- ☒ Flame Retardant UL94V0, RoHS compliant
- ☒ Conduction Cooled
- ☒ Non Polar
- ☒ Suitable for High Frequencies
- ☒ High Current

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.33	10	1000	600	600	290
0.50	10	800	750	600	299
0.66	10	800	750	600	226
1.33	10	700	950	600	179
2.60	10	600	1050	600	112
5.00	10	500	1200	600	76

Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances ± 0.5 mm Not to scale





CC1-300-C Series Conduction Cooled capacitors

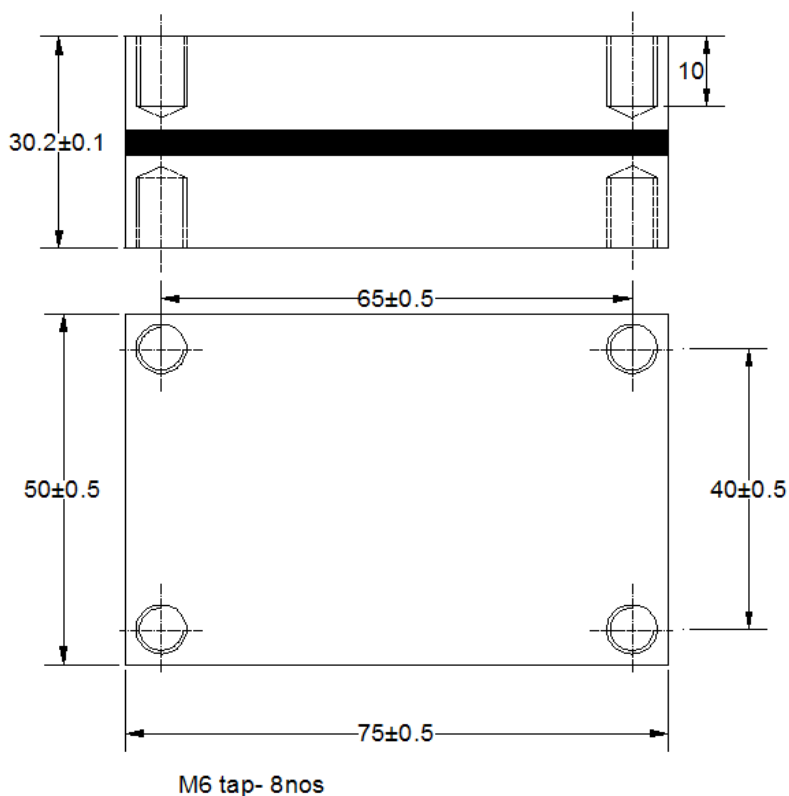
Specifications

- ☒ Polypropylene Dielectric
- ☒ Self- Healing
- ☒ Working frequency upto 649 kHz
- ☒ Flame Retardant UL94V0, RoHS compliant
- ☒ Conduction Cooled
- ☒ Non Polar
- ☒ Suitable for High Frequencies
- ☒ High Current

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.10	10	1000	350	300	649
0.20	10	1000	400	300	423
0.33	10	700	500	300	401
0.66	10	700	500	300	200
1.00	10	600	650	300	223
1.32	10	600	650	300	170
2.60	10	500	650	300	85
5.00	10	400	800	300	67

Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances $\pm 0.5\text{mm}$ Not to scale



CC1-400-B Series Conduction Cooled capacitors

Specifications

- ☒ Polypropylene Dielectric

☒ Self- Healing

☒ Working frequency upto 649 kHz

☒ Flame Retardant UL94V0, RoHS compliant

☒ Conduction Cooled

☒ Non Polar

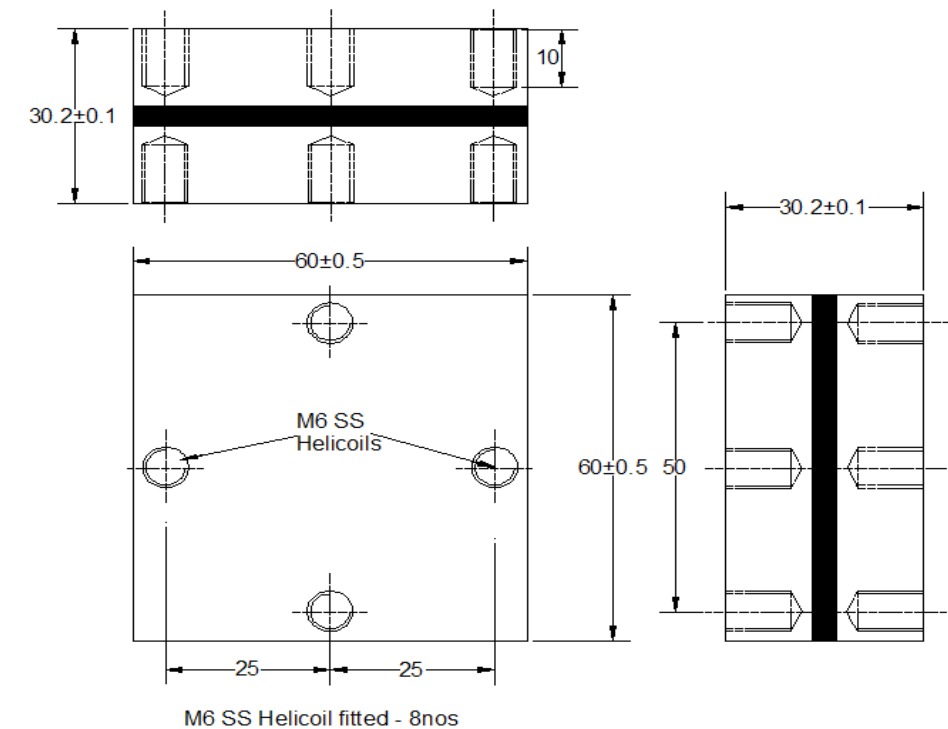
☒ Suitable for High Frequencies

☒ High Current

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.33	10	1000	600	400	433
0.66	10	1000	600	400	216
1.20	10	900	850	400	215
1.32	10	900	850	400	215
2.60	10	700	950	400	138
5.00	10	500	1000	400	80

Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances ±0.5mm Not to scale





CC1-300-B Series Conduction Cooled capacitors

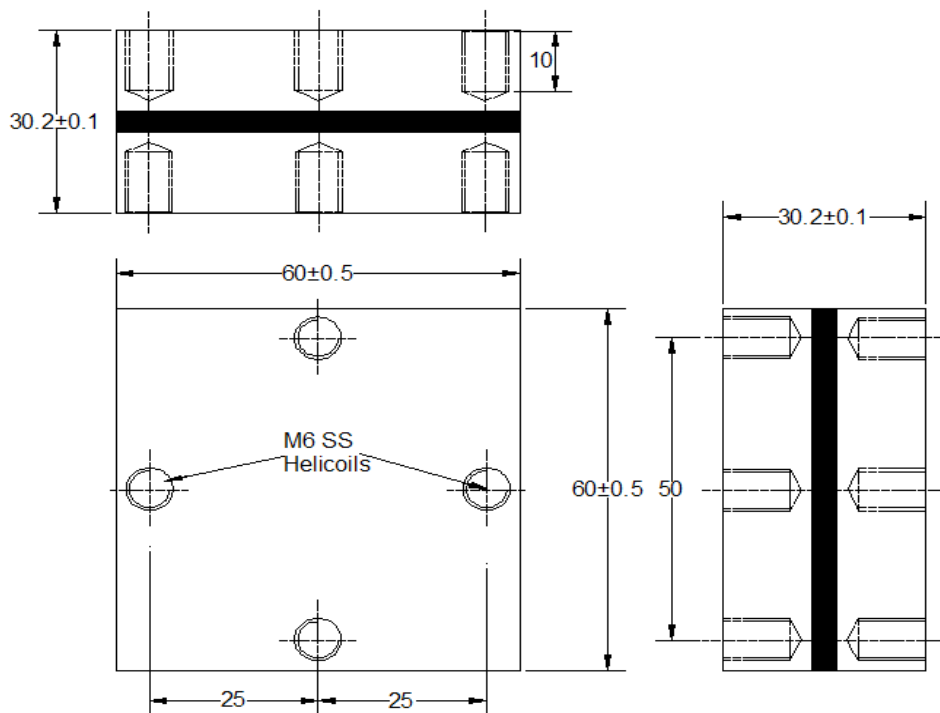
Specifications

- ☒ Polypropylene Dielectric
- ☒ Self- Healing
- ☒ Working frequency upto 649 kHz
- ☒ Flame Retardant UL94V0, RoHS compliant
- ☒ Conduction Cooled
- ☒ Non Polar
- ☒ Suitable for High Frequencies
- ☒ High Current

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.10	10	1000	350	300	649
0.20	10	1000	400	300	423
0.25	10	700	500	300	530
0.33	10	700	500	300	401
0.66	10	700	500	300	200
1.00	10	600	650	300	223
1.20	10	600	650	300	187
1.32	10	600	650	300	170
2.40	10	500	650	300	97
2.60	10	500	650	300	85
5.00	10	400	800	300	67

Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances $\pm 0.5\text{mm}$ Not to scale



M6 SS Helicoil fitted - 8nos



CC1-180-C Series Conduction Cooled capacitors

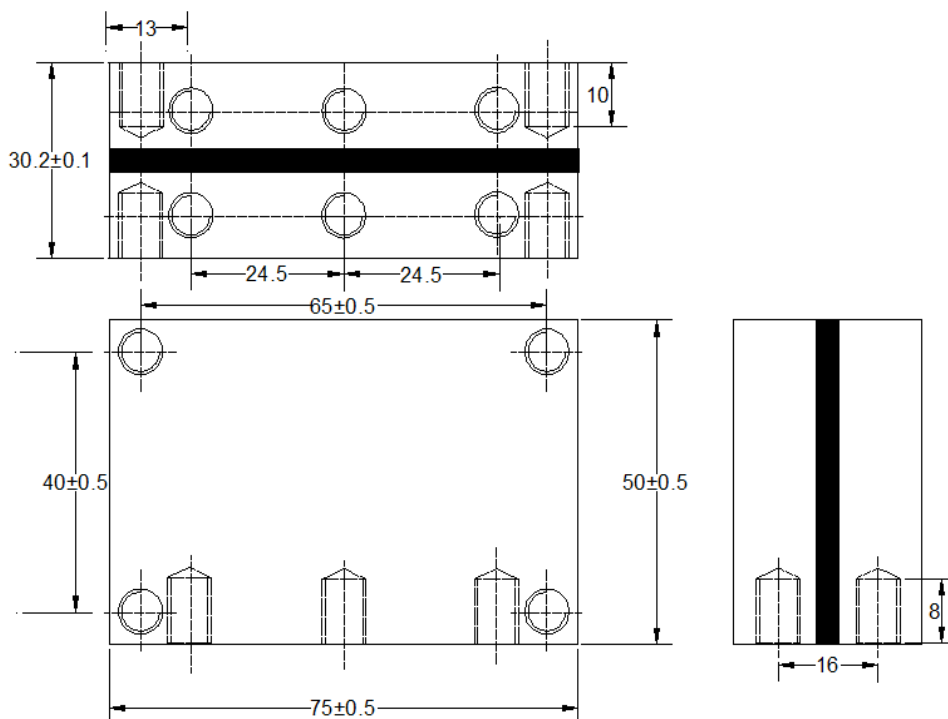
Specifications

- ☒ Polypropylene Dielectric
- ☒ Self- Healing
- ☒ Working frequency upto 601 kHz
- ☒ Flame Retardant UL94V0, RoHS compliant
- ☒ Conduction Cooled
- ☒ Non Polar
- ☒ Suitable for High Frequencies
- ☒ High Current

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.18	10	700	350	180	601
0.24	10	700	400	180	549
0.33	10	700	350	180	279
0.66	10	700	450	180	270
1.20	10	600	500	180	183
2.40	10	500	500	180	91
5.00	10	400	600	180	63

Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances ± 0.5 mm Not to scale



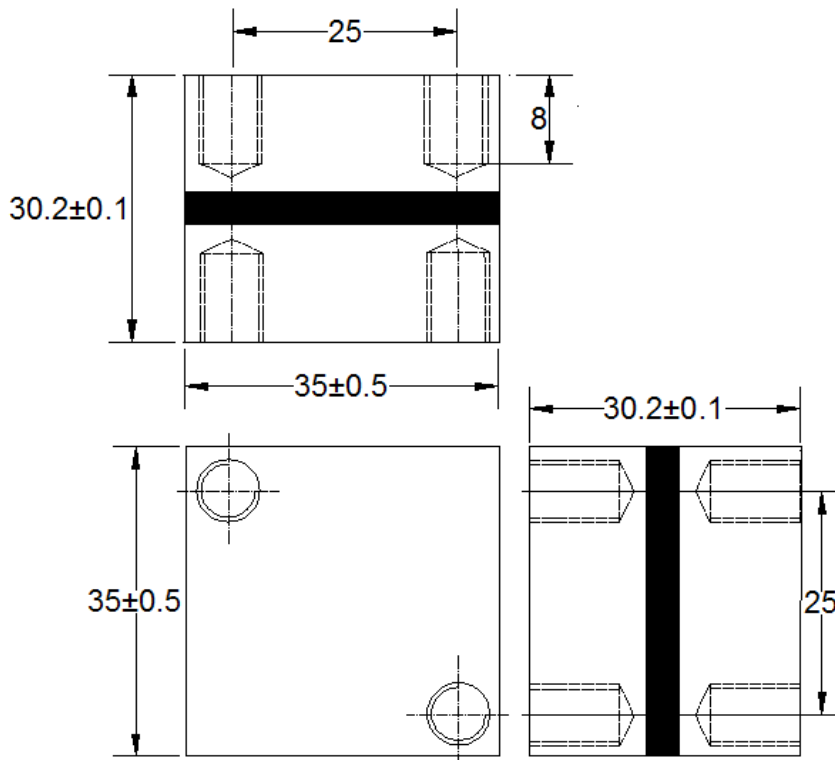
M6 SS helicoil fitted 10nos



Specifications

- | Capacitance | Tolerance | Rated Voltage | Max. Current | Max. Power | Max. Working Frequency |
|-------------|-----------|---------------|--------------|------------|------------------------|
| μF @ 1kHz | % | Vrms | Irms | kvar | kHz |
| 0.025 | 10 | 1100 | 200 | 180 | 1414 |
| 0.050 | 10 | 1000 | 200 | 180 | 706 |
| 0.085 | 10 | 1000 | 200 | 200 | 374 |
| 0.100 | 10 | 900 | 250 | 200 | 501 |
| 0.170 | 10 | 900 | 250 | 200 | 294 |
| 0.250 | 10 | 800 | 270 | 200 | 231 |
| 0.330 | 10 | 700 | 300 | 200 | 217 |
| 0.660 | 10 | 600 | 350 | 200 | 148 |
| 1.200 | 10 | 500 | 400 | 200 | 106 |

Drawing **All Dimensions are in mm , unspecified tolerances $\pm 0.5\text{mm}$ Not to scale**



M6 SS Helicoil fitted - 4nos

AC-1 Conduction Cooled Capacitors

AC-1 series Conduction Cooled Capacitors are high current, high power resonant capacitors with Aluminum blocks as the terminals.

Specifications:

Capacitance	: 0.05 μ F to 2.4 μ F
Rated Voltage	: up to 1000Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: up to 600 Arms
Working frequency	: up to 994kHz
Max Power Rating	: up to 300KVAR
Temperature Range	: -40°C to +85°C
Standard reference	: IEC 61071



AC1-300-A Series Conduction Cooled capacitors

Specifications

- 
Polypropylene Dielectric


Aluminium Conduction Cooled
- 
Self- Healing


Non Polar
- 
Working frequency upto 478 kHz

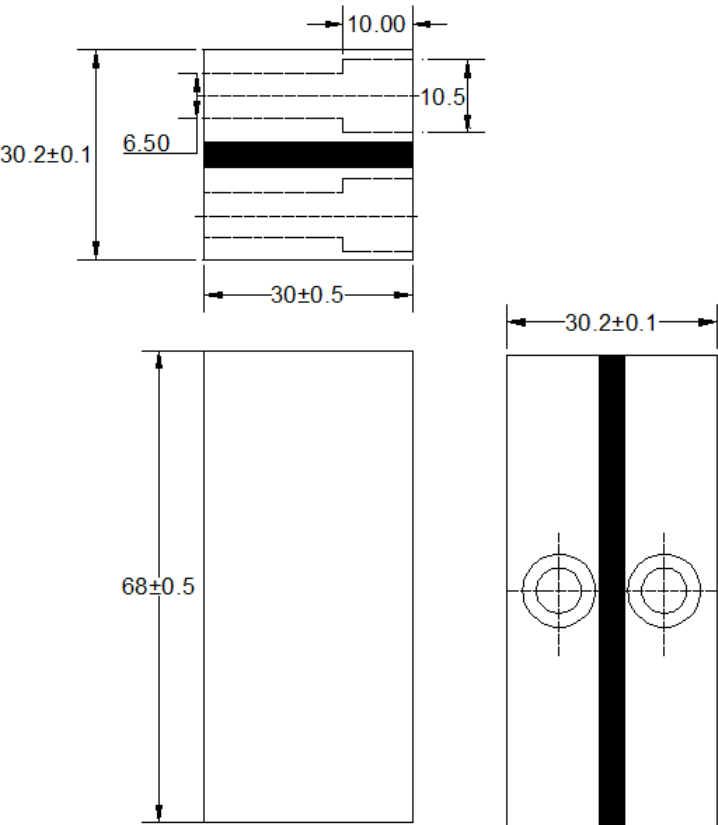

Suitable for Intermediate Duty cycle
- 
Flame Retardant UL94V0, RoHS compliant

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
µF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.10	10	1000	300	300	478
0.17	10	1000	300	300	281
0.33	10	800	400	300	256
0.50	10	800	400	300	170
0.66	10	700	450	300	163
1.33	10	600	500	300	99
2.40	10	500	600	300	79

Capacitors designed for only intermittent duty cycle (30 Sec ON , 60 Sec OFF)

Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances ±0.5mm Not to scale





AC1-200-AN / AT Series Conduction Cooled capacitors

Specifications

- ☒ Polypropylene Dielectric
- ☒ Self- Healing
- ☒ Working frequency upto 994 kHz
- ☒ Flame Retardant UL94V0, RoHS compliant
- ☒ Aluminium Conduction Cooled
- ☒ Non Polar
- ☒ Suitable for Intermediate Duty cycle

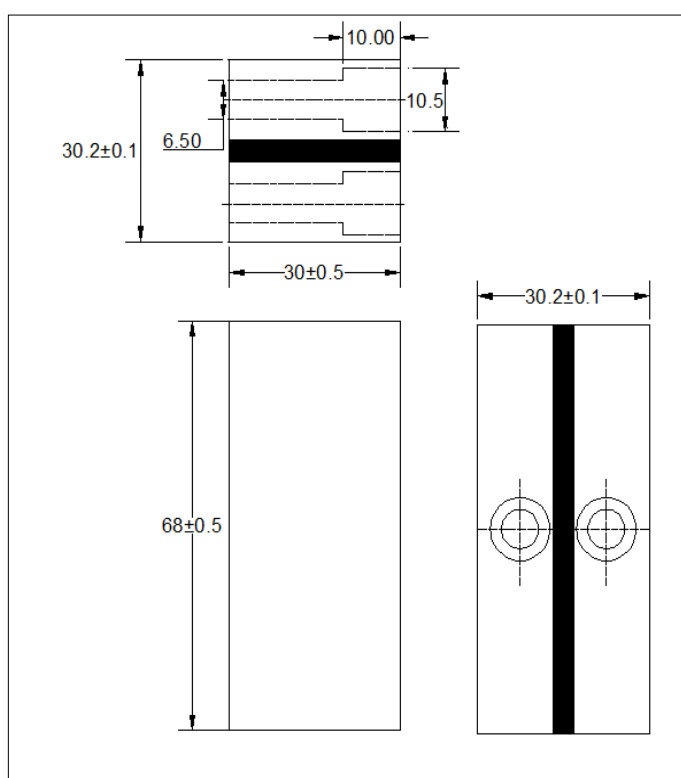
Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.05	10	1000	250	200	994
0.1	10	1000	250	200	498
0.17	10	900	300	200	422
0.25	10	800	300	200	286
0.33	10	800	300	200	216
0.50	10	800	350	200	194
0.66	10	700	400	200	193
1.20	10	600	450	200	134
1.33	10	600	450	200	120
2.40	10	450	500	200	85

Capacitors designed for only intermittent duty cycle (30 Sec ON , 60 Sec OFF)

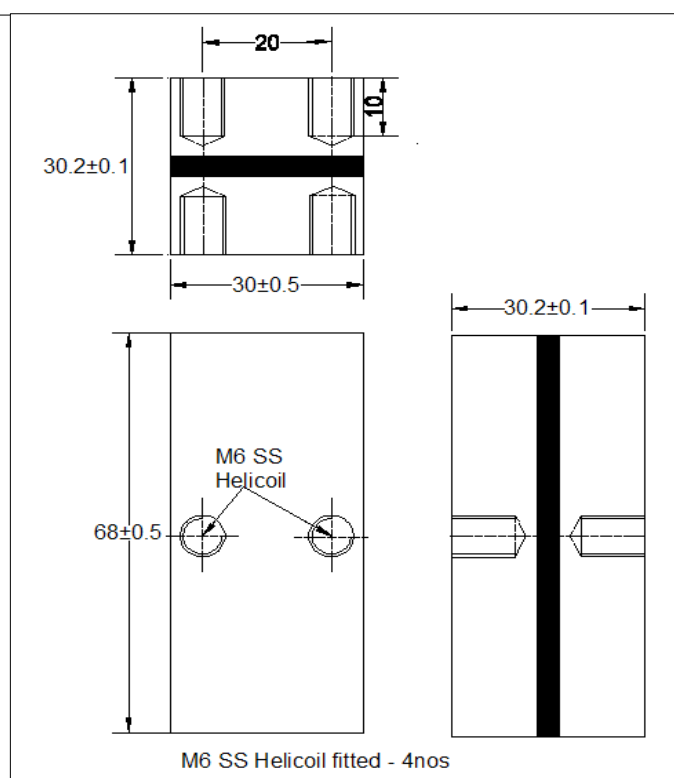
Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances $\pm 0.5\text{mm}$ Not to scale

AC1-200-AN



AC1-200-AT





AC1-150-AN / AT Series Conduction Cooled capacitors

Specifications

- ☒ Polypropylene Dielectric
- ☒ Self- Healing
- ☒ Working frequency upto 700 kHz
- ☒ Flame Retardant UL94V0, RoHS compliant
- ☒ Aluminium Conduction Cooled
- ☒ Non Polar
- ☒ Suitable for Intermediate Duty cycle

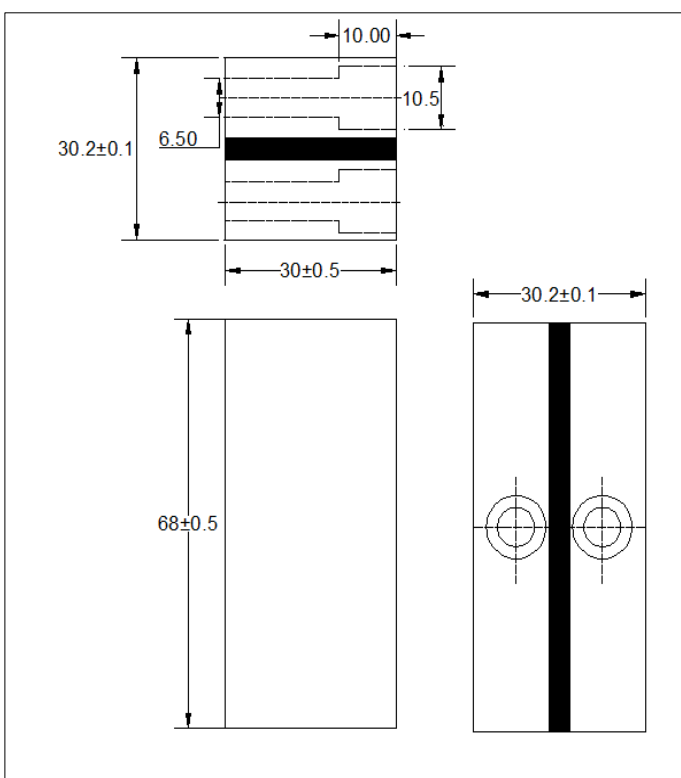
Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency
μF @ 1kHz	%	Vrms	Irms	kvar	kHz
0.05	10	1000	200	150	700
0.10	10	1000	200	150	423
0.17	10	700	250	150	389
0.25	10	700	250	150	265
0.33	10	700	250	150	200
0.50	10	700	250	150	132
0.66	10	600	300	150	145
1.20	10	500	300	150	80
1.33	10	500	300	150	72
2.40	10	400	400	150	75

Capacitors designed for only intermittent duty cycle (30 Sec ON , 60 Sec OFF)

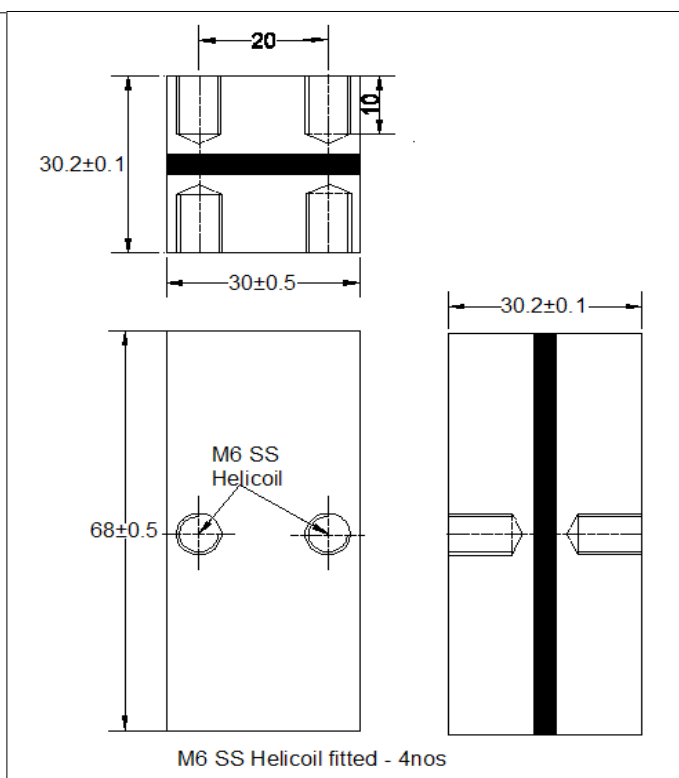
Note: Other capacitance & current rating , custom made capacitors available on request

Drawing All Dimensions are in mm , unspecified tolerances $\pm 0.5\text{mm}$ Not to scale

AC1-150-AN



AC1-150-AT



CC-2 Water + Conduction Cooled Capacitors

CC-2 series Water + Conduction Cooled Capacitors are high current, high power resonant capacitors with Copper plates as terminals along with water cooling connections.

Specifications:

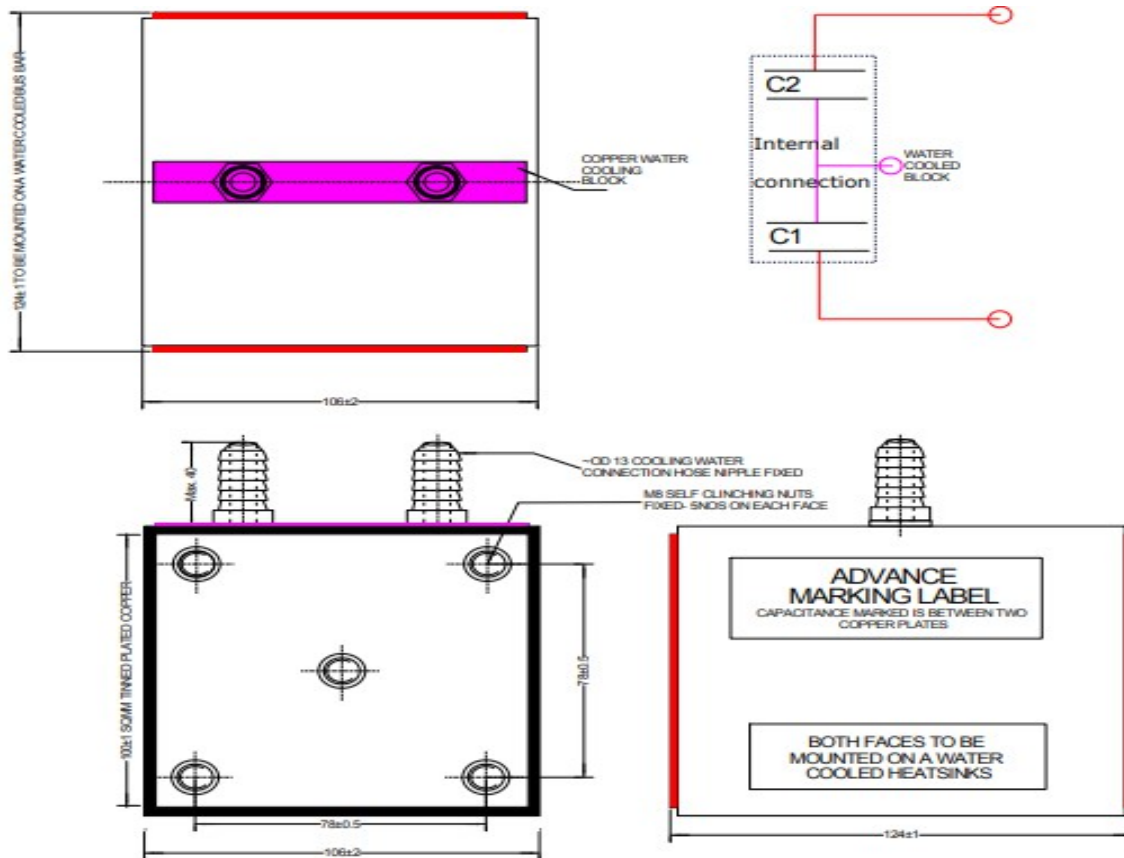
Capacitance	: 5.0 μ F to 20 μ F
Rated Voltage	: up to 1200Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: up to 1700 Arms
Working frequency	: up to 39kHz
Max Power Rating	: 1000KVAR
Temperature Range	: -40°C to +85°C
Standard reference	: IEC 61071



Standard range of Capacitors:

Capacitance	Tolerance	Rated Voltage	Max. Current	Max. Power	Max. Working Frequency	W±2	L±1	H±2
µF @ 1kHz	%	Vrms	Irms	kvar	kHz	106	124	106
5.00	10	1000	1100	1000	39	106	124	106
10.00	10	800	1250	1000	25	106	124	106
15.00	10	700	1450	1000	22	106	124	106
20.00	10	600	1700	1000	22	106	124	106

Note: Other capacitance & current rating , custom made capacitors available on request



CC-3 Conduction Cooled Capacitors

CC-3 series conduction cooled capacitors are available in Fibre Glass tubes end filled with epoxy resin and copper flange terminals

Specifications:

Specifications:

Capacitance	: 3 μ F to 65 μ F
Tolerance	: $\pm 10\%$
Rated Voltage	: upto 1200Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 1200 Arms
Max. power rating	: 1000KVAR
Working frequency	: upto 60kHz
Temperature Range	: -40°C to +85°C
Standard reference	: IEC 61071

Marking

ADVANCE Value , Tolerance Voltage ,
Current Part Code
Mysore – India
DISCHARGE BEFORE HANDLING





ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

Registered Office & Factory :

3A-3A/1, Belavadi Indl Area, Mysore - 570 018. INDIA



ISO 9001 : 2015
ISO 13485 : 2016

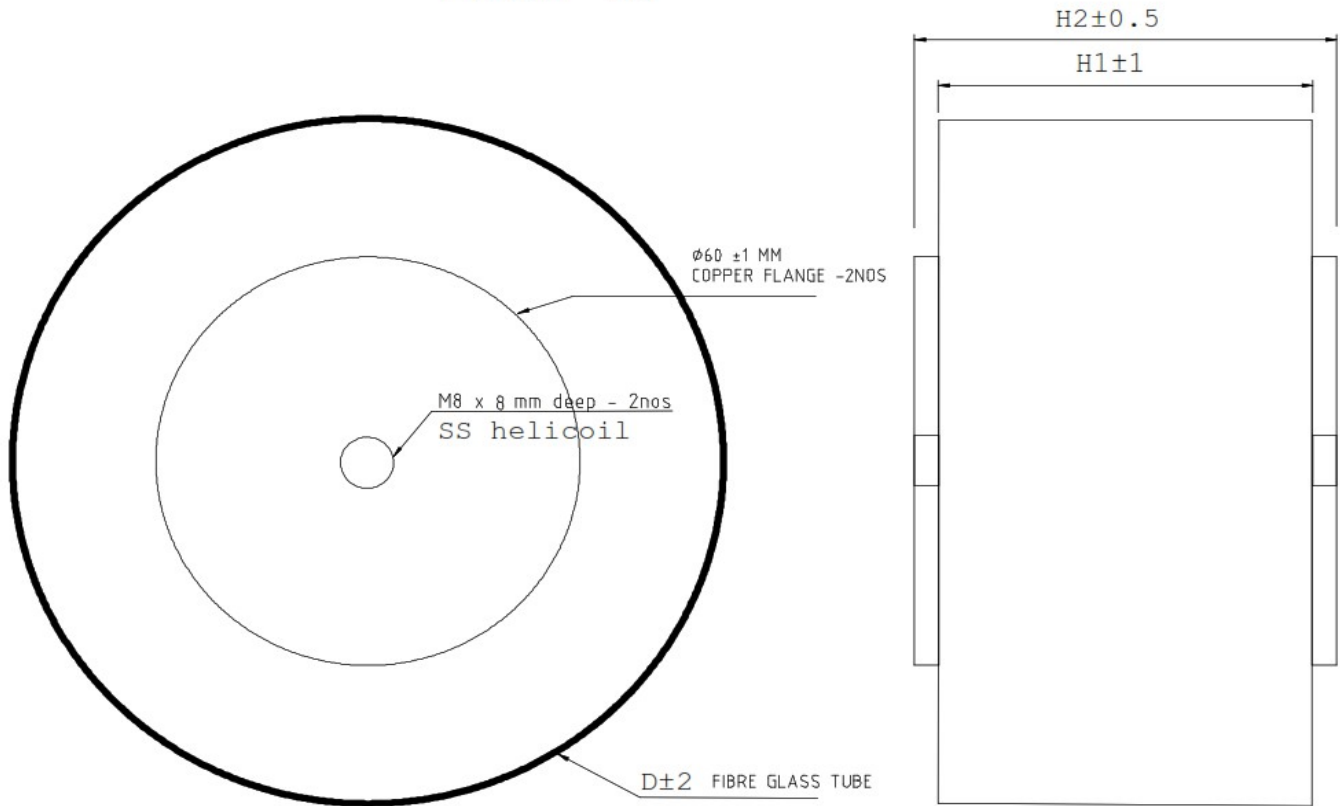
Phone : +91 821 2402307, 2402301, 2403058

E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

DRG A



Dimensional Drawing: All Dimensions are in mm , Not to scale



ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

Registered Office & Factory :

3A-3A/1, Belavadi Indl Area, Mysore - 570 018. INDIA



ISO 9001 : 2015
ISO 13485 : 2016

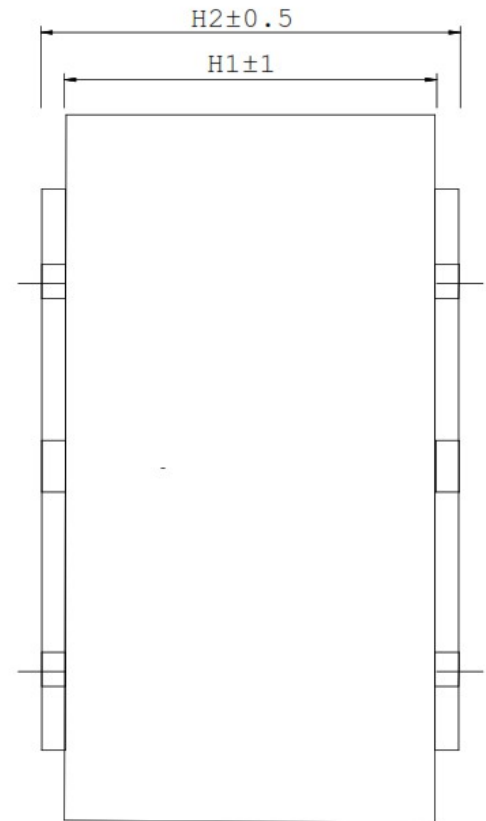
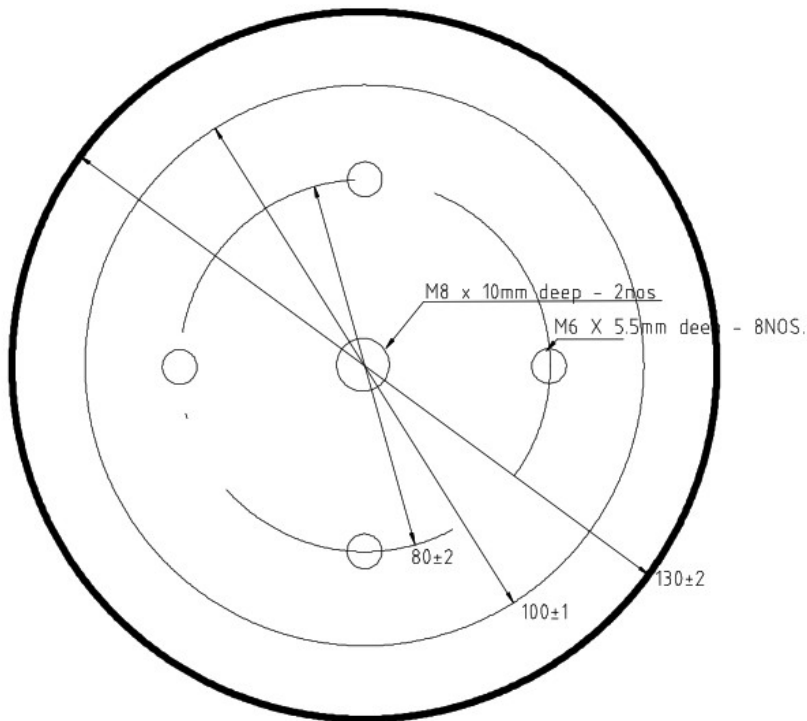
Phone : +91 821 2402307, 2402301, 2403058

E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

DRG B



Standard Capacitor Range

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm			
μF @ 1kHz	%	Vrms	Irms	kvar	kHz	D ± 2	H1 ± 1	H2 ± 0.5	REFER DRG.
8.5	± 10	900	1000	900	21	98	52	61.5	A
3.0		1200	700	800	31	90	52	61.5	A
19.0		600	1200	700	16.5	107	52	61.5	A
14.0		700	1000		16	107	52	61.5	A
10.0		700	1000		23	90	52	61.5	A
5.0		700	1000		46	90	52	61.5	A
60.0		500	1200	600	7	130	66	77	B
3.0		750	850		60	80	52	61.5	A
4.0		900	700		30	98	52	61.5	A
65.0		400	1200	500	7	130	66	77	B
45.0		500	1000		7	107	66	77	A
37.0		500	1000		7	102	66	77	A
25.0		500	1000		13	107	52	61.5	A
21.0		500	1000		15.5	102	52	61.5	A
40.0		700	600	400	3.3	130	66	77	B
30.0		700	600		4.5	107	66	77	A
22.0		400	1000		18.5	102	52	61.5	A

NOTE: Any in between Capacitance values required for same dimensional drawing will be done as per customer requirements.

CC-4 Conduction Cooled Capacitors with Water Cooling Tubes

CC-4 series conduction cooled capacitors are available in Fibre Glass tubes end filled with UL94-V0 epoxy resin and copper flange terminals with Water cooling Copper tubes(4 on each side/flange) for superior cooling.

Specifications:

Specifications:

Capacitance	: 3 μ F to 45 μ F
Tolerance	: $\pm$ 10%
Rated Voltage	: upto 1200Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 1200 Arms
Working frequency	: upto 60kHz
Temperature Range	: -40°C to +85°C
Standard reference	: IEC 61071

Marking

ADVANCE Value , Tolerance Voltage ,
Current Part Code
Mysore – India
DISCHARGE BEFORE HANDLING



ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

Registered Office & Factory :

3A-3A/1, Belavadi Indl Area, Mysore - 570 018. INDIA



ISO 9001 : 2015
ISO 13485 : 2016

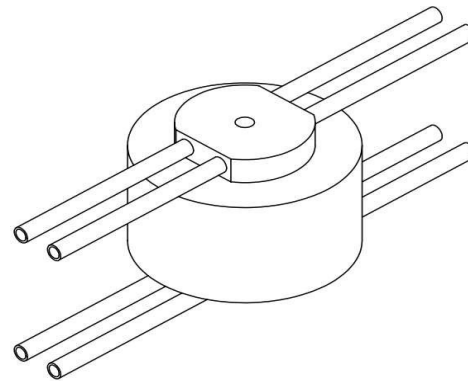
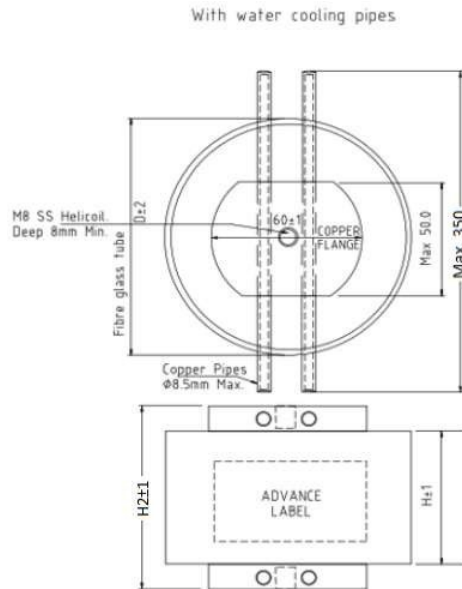
Phone : +91 821 2402307, 2402301, 2403058

E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

Dimensional Drawing: All Dimensions are in mm , Not to scale





Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

Registered Office & Factory :
3A-3A/1, Belavadi Indl Area, Mysore - 570 018. INDIA



ISO 9001 : 2015
ISO 13485 : 2016

Phone : +91 821 2402307, 2402301, 2403058

E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

Standard Capacitor Range

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm		
μF @ 1kHz	%	Vrms	Irms	kvar	kHz	D ± 2	H1 ± 1	H2 ± 1
45.0	± 10	500	1000	500	7	107	66	78
40.0	± 10	700	600	400	3.4	130	66	92
30.0	± 10	700	600	400	4.6	107	66	92
22.0	± 10	400	1000	400	18.5	102	52	78
21.0	± 10	500	1000	500	15.5	102	52	78
5.0	± 10	700	1000	700	46	90	52	78
10.0	± 10	700	1000	700	23	90	52	78
3.0	± 10	750	850	600	60	80	52	78
4.0	± 10	900	700	600	30	98	52	78
8.5	± 10	900	1000	900	21	98	52	78
3.0	± 10	1200	700	800	31	90	52	78

NOTE: Any in between Capacitance values required for same dimensional drawing will be done as per customer requirements

CC-5 Conduction Cooled Capacitors

CC-5 Series conduction cooled capacitors have direct mounting option with flat rectangular electroplated copper plates.

Specifications:

Specifications:

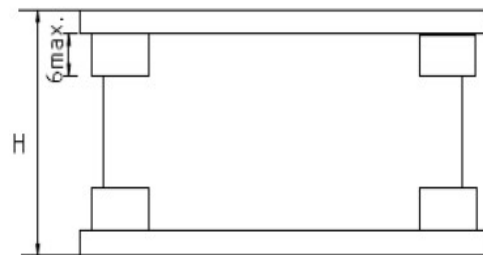
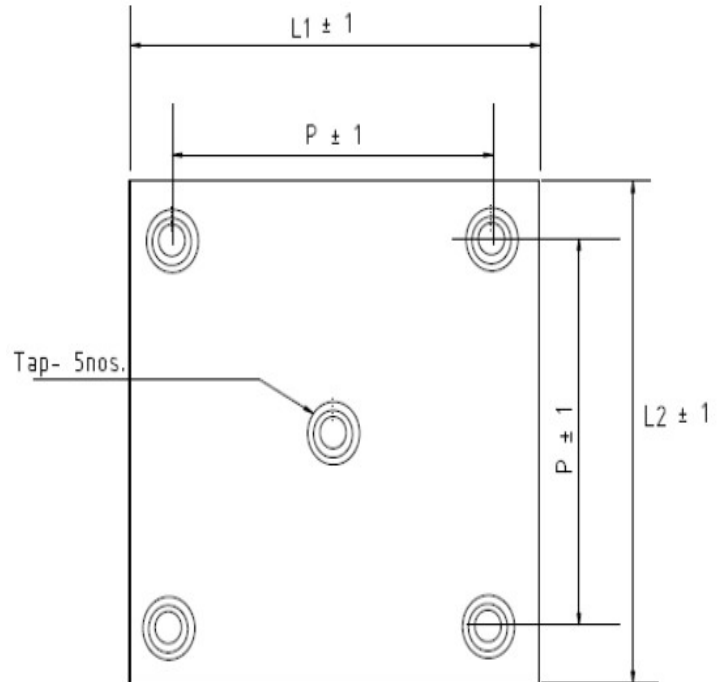
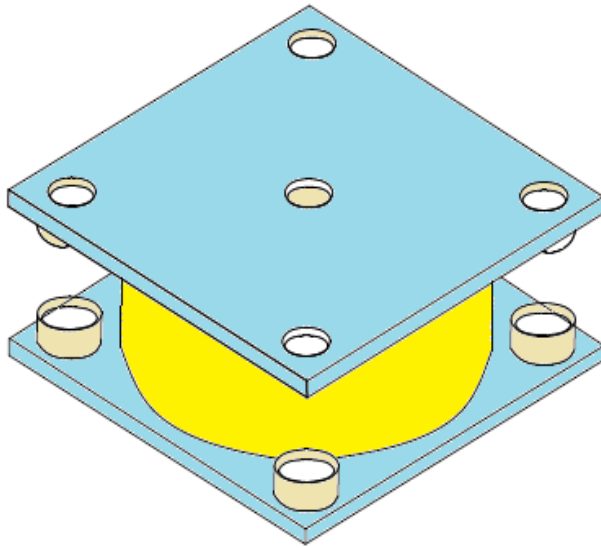
Capacitance	: 0.1 μ F to 85 μ F
Tolerance	: $\pm$ 10%
Rated Voltage	: upto 1000Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 1400 Arms
Max Power rating	: upto 700KVAR
Working frequency	: upto 650kHz
Temperature Range	: -40°C to +85°C
Standard reference	: IEC 61071

Marking

ADVANCE Value , Tolerance Voltage ,
Current KVAR Part Code
Mysore – India
DISCHARGE BEFORE HANDLING



Dimensional Drawing: All Dimensions are in mm , Not to scale



CC-5-A-200

Standard Capacitor Power Range 200kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 0.5	P ± 1	Tap
0.33	± 10	700	300	200	195 - 216	50	50	34	36	M6
0.66	± 10	600	350		134.5 - 149	50	50	34	36	M6
1.20	± 10	500	400		104 - 105	50	50	34	36	M6
1.50	± 10	500	400		84 - 85	50	50	34	36	M6
2.60	± 10	400	550		75 - 93	50	50	34	36	M6

CC-5-A-300

Standard Capacitor Power Range 300kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 1	L2 ± 1	H ± 0.5	P ± 1	Tap
0.10	± 10	1000	350	300	476 - 649	50	50	34	36	M6
0.20	± 10	1000	400		237 - 423	50	50	34	36	M6
0.25	± 10	700	500		389 - 530	50	50	34	36	M6
0.33	± 10	700	500		294.5 - 401	50	50	34	36	M6
0.66	± 10	700	500		146 - 200	50	50	34	36	M6
1.00	± 10	600	650		131.5 - 223	50	50	34	36	M6
1.20	± 10	600	650		111 - 187	50	50	34	36	M6
1.32	± 10	600	650		99 - 170	50	50	34	36	M6
2.40	± 10	500	650		79 - 97	50	50	34	36	M6

CC-5-B-300

Standard Capacitor Power Range 300kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 1	L2 ± 1	H ± 0.5	P ± 1	Tap
0.25	± 10	700	500	300	389 - 530	78	78	34	62	M8
0.33	± 10	700	500		295 - 401	78	78	34	62	M8
0.66	± 10	700	500		146.5 - 200	78	78	34	62	M8
1.00	± 10	600	650		131 - 223	78	78	34	62	M8
1.20	± 10	600	650		111 - 187	78	78	34	62	M8
1.32	± 10	600	650		100 - 170	78	78	34	62	M8
2.40	± 10	500	650		80 - 97	78	78	34	62	M8
2.60	± 10	500	650		71.5 - 85	78	78	34	62	M8
5.00	± 10	400	800		58 - 67	78	78	34	62	M8

CC-5-B-400

Standard Capacitor Power Range 400kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 0.5	P ± 1	Tap
0.33	± 10	1000	600	400	193.5 - 433	78	78	34	62	M8
0.66	± 10	1000	600		94 - 216	78	78	34	62	M8
1.20	± 10	900	850		65.5 - 239	78	78	34	62	M8
1.32	± 10	900	850		57 - 215	78	78	34	62	M8
2.60	± 10	700	950		50 - 138	78	78	34	62	M8
5.00	± 10	500	1000		50 - 80	78	78	34	62	M8

CC-5-C-400

Standard Capacitor Power Range 400kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 0.5	P ± 1	Tap
6.50	± 10	600	1000	400	26 - 62	100	100	54	78	M8
8.50	± 10	600	1000		20 - 47	100	100	54	78	M8
10.00	± 10	600	1000		18 - 40	100	100	54	78	M8
20.00	± 10	500	1000		13 - 15	100	100	54	78	M8
40.00	± 10	400	1000		10	100	100	54	78	M8

CC-5-C-500

Standard Capacitor Power Range 500kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 0.5	P ± 1	Tap
1.20	± 10	1100	600	500	55- 96	100	100	54	78	M8
1.40	± 10	1100	600		46 - 83	100	100	54	78	M8
3.00	± 10	750	800		47 – 68	100	100	54	78	M8
3.30	± 10	750	800		43 – 62	100	100	54	78	M8
4.00	± 10	900	700		25 – 39	100	100	54	78	M8
5.60	± 10	700	1000		29 – 57	100	100	54	78	M8
6.30	± 10	700	1000		26 - 51	100	100	54	78	M8
8.50	± 10	700	1000		19 – 38	100	100	54	78	M8
10.00	± 10	700	1000		16 – 32	100	100	54	78	M8
21.00	± 10	500	1000		15	100	100	54	78	M8
27.00	± 10	550	1000		10 – 15	100	100	54	78	M8
33.00	± 10	500	1000		10	100	100	54	78	M8
37.00	± 10	500	1000		9	100	100	54	78	M8

CC-5-C-600

Standard Capacitor Power Range 600kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 0.5	P ± 1	Tap
0.33	± 10	1000	600	600	290	100	100	54	78	M8
0.50	± 10	1000	700		191-261	100	100	54	78	M8
0.66	± 10	1000	700		145 -197.5	100	100	54	78	M8
1.33	± 10	900	950		89-180.5	100	100	54	78	M8
2.60	± 10	700	1050		76-113	100	100	54	78	M8
5.00	± 10	500	1200		76	100	100	54	78	M8

CC-5-D-700

Standard Capacitor Power Range 700kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 1	L2 ± 1	H ± 0.5	P ± 1	Tap
5.00	± 10	1000	800	700	21.5 - 29	130	130	72	105	M8
9.00	± 10	900	900		15 - 20	130	130	72	105	M8
12.00	± 10	850	1000		12.6 - 19	130	130	72	105	M8
14.00	± 10	850	1000		11 - 16.2	130	130	72	105	M8
19.00	± 10	800	1000		9 - 12	130	130	72	105	M8
25.00	± 10	700	1050		9 - 10	130	130	72	105	M8
27.00	± 10	700	1100		8.4 - 10.2	130	130	72	105	M8
33.00	± 10	600	1200		9.4 - 10	130	130	72	105	M8
46.00	± 10	500	1200		9.4 - 10	130	130	72	105	M8
63.00	± 10	500	1300		7	130	130	72	105	M8
80.00	± 10	500	1100		5.6	130	130	72	105	M8
85.00	± 10	500	1400		5.2	130	130	72	105	M8

CM-5 Conduction Cooled Capacitors

CM-5 Series Conduction Cooled Capacitors are resin moulded with direct mounting option and uses flat square electroplated copper plates as terminals

Specifications:

Specifications:

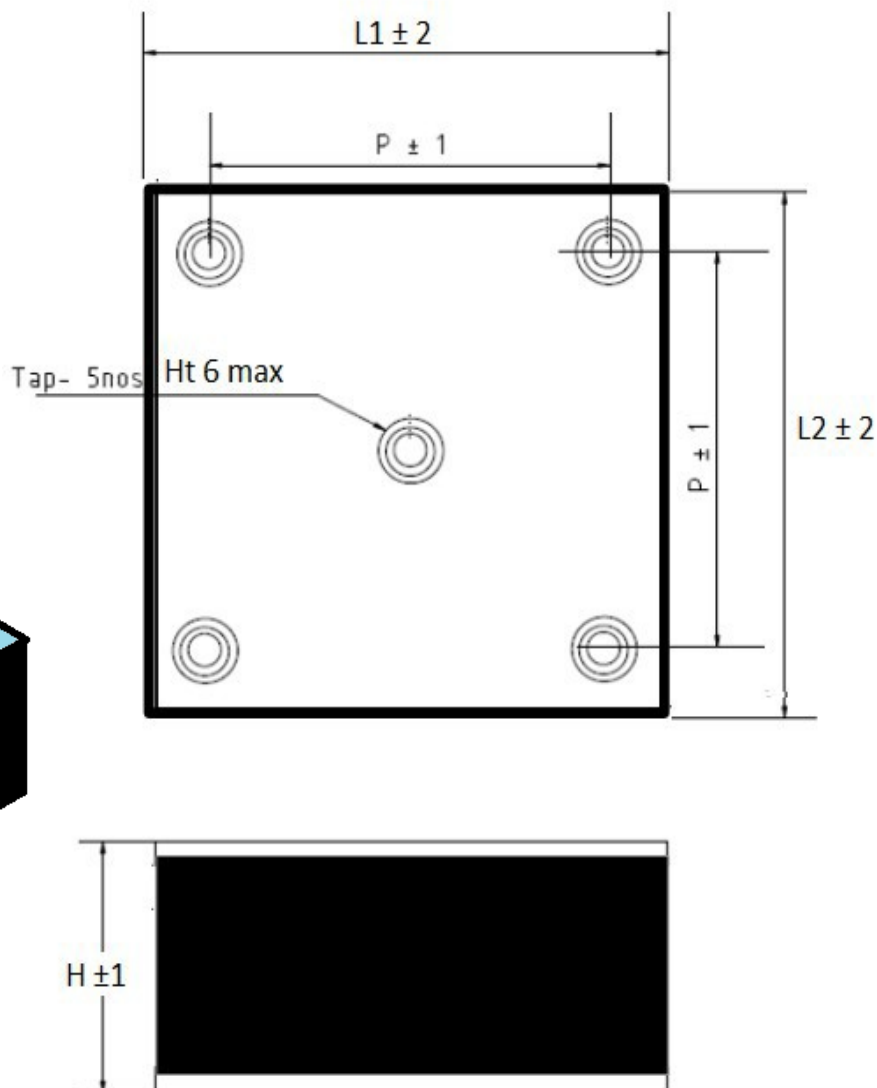
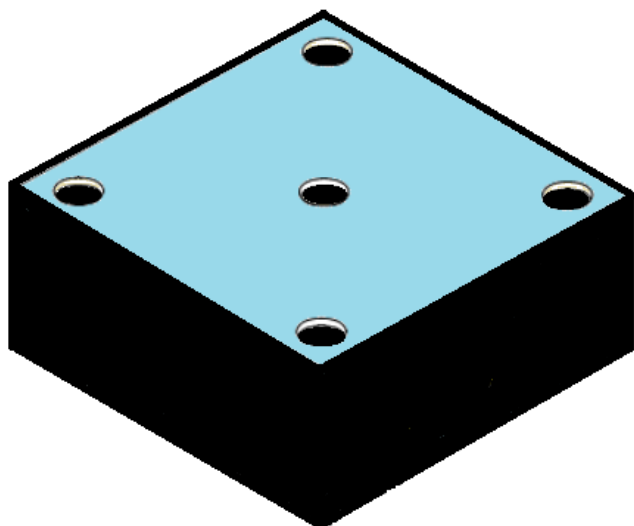
Capacitance	: 0.1 μ F to 40 μ F
Tolerance	: $\pm$ 10%
Rated Voltage	: upto 1000Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 1200 Arms
Max Power rating	: upto 600KVAR
Working frequency	: upto 650kHz
Temperature Range	: -40°C to +85°C
Standard reference	: IEC 61071

Marking

ADVANCE Value , Tolerance Voltage ,
Current KVAR Part Code
Mysore – India
DISCHARGE BEFORE HANDLING



Dimensional Drawing: All Dimensions are in mm , Not to scale



CM-5-A-200

Standard Capacitor Power Range 200kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 1	P ± 1	Tap
0.33	± 10	700	300	200	195 - 216	50	50	34	36	M6
0.66	± 10	600	350		134.5 - 149	50	50	34	36	M6
1.20	± 10	500	400		104 - 105	50	50	34	36	M6
1.50	± 10	500	400		84 - 85	50	50	34	36	M6
2.60	± 10	400	550		75 - 93	50	50	34	36	M6

CM-5-A-300

Standard Capacitor Power Range 300kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 1	P ± 1	Tap
0.10	± 10	1000	350	300	476 - 649	50	50	34	36	M6
0.20	± 10	1000	400		237 - 423	50	50	34	36	M6
0.25	± 10	700	500		389 - 530	50	50	34	36	M6
0.33	± 10	700	500		294.5 - 401	50	50	34	36	M6
0.66	± 10	700	500		146 - 200	50	50	34	36	M6
1.00	± 10	600	650		131.5 - 223	50	50	34	36	M6
1.20	± 10	600	650		111 - 187	50	50	34	36	M6
1.32	± 10	600	650		99 - 170	50	50	34	36	M6
2.40	± 10	500	650		79 - 97	50	50	34	36	M6



ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

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advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

CM-5-B-300

Standard Capacitor Power Range 300kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
µF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ±2	L2 ±2	H±1	P±1	Tap
0.25	±10	700	500	300	389 - 530	78	78	34	62	M8
0.33	±10	700	500		295 - 401	78	78	34	62	M8
0.66	±10	700	500		146.5 - 200	78	78	34	62	M8
1.00	±10	600	650		131 - 223	78	78	34	62	M8
1.20	±10	600	650		111 - 187	78	78	34	62	M8
1.32	±10	600	650		100 - 170	78	78	34	62	M8
2.40	±10	500	650		80 - 97	78	78	34	62	M8
2.60	±10	500	650		71.5 - 85	78	78	34	62	M8
5.00	±10	400	800		58 - 67	78	78	34	62	M8

CM-5-B-400

Standard Capacitor Power Range 400kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
µF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ±2	L2 ±2	H±1	P±1	Tap
0.33	±10	1000	600	400	193.5 - 433	78	78	34	62	M8
0.66	±10	1000	600		94 - 216	78	78	34	62	M8
1.20	±10	900	850		65.5 - 239	78	78	34	62	M8
1.32	±10	900	850		57 - 215	78	78	34	62	M8
2.60	±10	700	950		50 - 138	78	78	34	62	M8
5.00	±10	500	1000		50 - 80	78	78	34	62	M8



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Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

CM-5-C-400

Standard Capacitor Power Range 400kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 1	P ± 1	Tap
6.50	± 10	600	1000	400	26 – 62	100	100	54	78	M8
8.50	± 10	600	1000		20 – 47	100	100	54	78	M8
10.00	± 10	600	1000		18 – 40	100	100	54	78	M8
20.00	± 10	500	1000		13 – 15	100	100	54	78	M8
40.00	± 10	400	1000		10	100	100	54	78	M8

CM-5-C-500

Standard Capacitor Power Range 500kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 1	P ± 1	Tap
1.20	± 10	1100	600	500	55- 96	100	100	54	78	M8
1.40	± 10	1100	600		46 - 83	100	100	54	78	M8
3.00	± 10	750	800		47 – 68	100	100	54	78	M8
3.30	± 10	750	800		43 – 62	100	100	54	78	M8
4.00	± 10	900	700		25 – 39	100	100	54	78	M8
5.60	± 10	700	1000		29 – 57	100	100	54	78	M8
6.30	± 10	700	1000		26 - 51	100	100	54	78	M8
8.50	± 10	700	1000		19 – 38	100	100	54	78	M8
10.00	± 10	700	1000		16 – 32	100	100	54	78	M8
21.00	± 10	500	1000		15	100	100	54	78	M8
27.00	± 10	550	1000		10 – 15	100	100	54	78	M8
33.00	± 10	500	1000		10	100	100	54	78	M8
37.00	± 10	500	1000		9	100	100	54	78	M8

CM-5-C-600

Standard Capacitor Power Range 600kVAR

Capacitance	Tolerance	Rated RMS Voltage	Max. Current	Max. Power	Working Frequency	Dimensions in mm				Self Clinch Nuts Fixed
μF @ 1kHz	%	Vrms	Irms	kvar	Range in kHz	L1 ± 2	L2 ± 2	H ± 1	P ± 1	Tap
0.33	± 10	1000	600	600	290	100	100	54	78	M8
0.50	± 10	1000	700		191-261	100	100	54	78	M8
0.66	± 10	1000	700		145 -197.5	100	100	54	78	M8
1.33	± 10	900	950		89-180.5	100	100	54	78	M8
2.60	± 10	700	1050		76-113	100	100	54	78	M8
5.00	± 10	500	1200		76	100	100	54	78	M8

ADVANCE Metallised Polypropylene Power Capacitors

General:

Extensive range of Capacitance and Voltage ratings in a large variety of cases, terminals and mountings make ADVANCE Metallised Polypropylene Capacitors ideally suitable for most AC applications as a replacement for paper capacitors.. The metallised electrodes allow self healing in operation. The excellent electrical properties of the polypropylene film and ADVANCE construction techniques allow higher ionisation inception voltage and a longer life. Non-inductively wound capacitor elements are housed in cases and sealed with epoxy resin, leading to a completely dry construction, eliminating damages due to leaky impregnants.

The capacitors are rated at 50Hz but may be operated at higher frequencies without exceeding the VA rating. The very low power factor of polypropylene matched by the connection techniques used, lead to capacitors with extremely low internal losses and a long life.

APPLICATIONS :

Motor Start/Run	Fan motors
Air Conditioners	Fluorescent Lighting
Power Factor Correction	Elements for Power Factor Capacitors
Power Electronics	LC Filtering of Harmonics
Ferro Resonant Supplies	Uninterrupted Power Supplies
Constant Voltage Supplies	Energy Storage

STANDARDS

IS	1569, 1976	-	Capacitors for Fluorescent Lighting
IS	1709, 1960	-	Capacitors for Fan motors
IS	2993, 1975	-	Capacitors for Motors
IS	2834, 1981	-	Capacitors for Power Systems

Specifications (All measurements are made at 25°C):

Temperature Range	: -40 °C to +85 °C
Tan Delta	: <0.001 at 1 kHz
Insulation Resistance	: 10,000 Mohm*μF
Test Voltage	: As per IS standards
Climatic Category	: 55/85/56
Tolerance	: ±5%, ±10%
Temperature Co-efficient	: -150 ppm/ °C

Registered Office and Factory:

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STYLES :**BP2 – 250Vac** - suitable for Fluorescent Lighting applications**AP2 – 250Vac** - suitable for Higher RMS Current and Dielectric Strength applications**BP4 – 415 / 440Vac** – suitable for fans, motors, air conditioners etc.,**AP4 – 415 / 440Vac** - suitable for Pulse, Higher RMS current and Dielectric Strength applications

Type : BP2 – 250Vac				Type : AP2 – 250Vac			
μF	Size in mm D x L (Can)		Connector / Mounting (optional)	μF	Size in mm D x L (Can) / WxLxH(Box)		Connector / Mounting (optional)
	Aluminium	Plastic			Aluminium	Plastic	
2.0	27*52	27*52	T / BS	2.0	27*52	27.52	T / BS
3.0	27*52	27*52	T / BS	3.0	30*52	30*52	T / BS
4.0	27*52	27*52	T / BS	4.0	30*52	30*52	T / BS
6.0	30*52	30*52	T / BS	6.0	35*55	35*55	T / BS
8.0	35*55	30*52	T / BS	8.0	45*55	38*55	T / BS
10.0	35*55	35*52	T / BS	10.0	38*100	38*95	T / BS
20.0	38*100	38*95	T,S / BS	20.0	45*100	45*95	T,S / BS
25.0	45*100	40*94	T,S / BS	25.0	50*100	50*95	T,S / BS
30.0	45*100	45*94	T,S / BS	30.0	54*105	57*95	T,S / BS
35.0	50*100	50*95	T,S / BS	35.0	50*120	50*120	T,S / BS
40.0	50*100	50*95	T,S / BS	40.0	50*120	50*120	T,S / BS
45.0	54*105	57*95	T,S / BS	45.0		54*120	T,S / BS
50.0	54*105	57*95	T,S / BS	50.0		54*120	T,S / BS
60.0	63.5*110	57*95	T,S / BS	60.0	50*110*120		S / BS,C
80.0	63.5*135	--	S / BS				
100.0	63.5*135	--	S / BS				
120.0	63.5*135	--	S / BS				
150.0	75*137	--	S / BS				



NOTE: AP2S and AP4S types are available with Segmented Film (S3 safety level capacitors)

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Website: www.advance-capacitors.com

Type : BP4 – 400/415/440Vac				Type : AP4 – 400/415/440VAC			
μF	Size in mm D x L(can) / WxLxH(Box)		Connector / Mounting (optional)	μF	Size in mm D x L(can) / WxLxH(Box)		Connector / Mounting (optional)
	Aluminium	Plastic			Aluminium	Plastic	
2.0	27*52	27*52	T/ BS	2.0	30*52	30*52	T/BS
3.0	30*52	30*52	T / BS	3.0	35*55	35*52	T / BS
4.0	30*52	30*52	T/ BS	4.0	35*55	35*52	T/ BS
6.0	35*55	35*55	T/ BS	6.0	40*100	38*95	T/ BS
8.0	45*55	38*55	T / BS	8.0	40*100	38*95	T/ BS
10.0	38*100	38*95	T / BS	10.0	45*100	45*95	T/BS
20.0	45*100	45*95	T,S / BS	20.0	54*105	57*95	T,S / BS
25.0	50*100	50*95	T,S / BS	25.0	63.5*110	57*95	T,S / BS
30.0	54*105	57*95	T,S / BS	25.0	50*80*97		S / BS,C
35.0	50*120	50*120	T,S / BS	30.0	50*100*115		S / BS,C
40.0	50*120	50*120	T,S / BS	36.0	50*100*115		S / BS,C
45.0	63.5*110	54*120	T,S / BS	40.0	50*100*115		S / BS,C
50.0	63.5*110	54*120	T,S / BS	45.0	50*125*135		S / BS,C
60.0	75*137		S / BS	50.0	50*125*135		S / BS,C
80.0	75*137		S / BS	60.0	50*125*135		S / BS.,C
100.0	75*137		S / BS				
120.0	90*130		S / BS				
150.0	90*130		S / BS				

Type – AP6 – 600Vac			Type-AP5 - 500Vac			
μF	Size in mm D*L(can) / W*L*H(box)	Connector / Mounting (optional)	μF	Size in mm D x L(Al. can)	Size in mm D x L(plastic can)	Connector / Mounting (optional)
0.5	38*60	T,S / BS	1.5	30*52	27*52	T,S / BS
1.0	38*100	T,S / BS	2.5	35*55	30*52	T,S / BS
2.0	38*100	T,S / BS	3.2	35*55	35*52	T,S / BS
3.0	38*100	T,S / BS	6.5	38*100	38*95	T,S / BS
4.0	38*100	T,S / BS	8.0	38*100	38*95	T,S / BS
5.0	45*100	T,S / BS	10.0	45*100	45*95	T,S / BS
6.0	50*100	T,S / BS	15.0	50*100	50*95	T,S / BS
10.0	63.5*110	T,S / BS	25.0	63.5*110	54*120	T,S / BS
15.0	50*100*115	S / BS,C	30.0	63.5*110	54*120	S / BS,C
20.0	50*125*135	S / BS,C	42.0	65*120		S / BS,C
25.0	50*125*135	S / BS,C				
30.0	50*135*145	S / BS,C				

Connectors :

T – Solderable Tag type

S – Screw Type

Mounting:

BS – Bottom Stud (Optional)

C – Clamp Type (on rectangular Metal Boxes only)

NOTE: AP2S and AP4S types are available with Segmented Film (S3 safety level capacitors)

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Website: www.advance-capacitors.com



ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.

Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS

Registered Office & Factory :

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ISO 9001 : 2015
ISO 13485 : 2016

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advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

ADVANCE FEEDTHROUGH CAPACITORS and FILTERS

Feed through Capacitors and Filters are used to reduce the unwanted RFI/EMI noise from entering and leaving the equipment. This is done by connecting a low impedance lead-less capacitor to the ground. The feed through capacitors have a center conductor that carries the rated current and a concentrically designed capacitor section that attains an ultimate reduction in lead inductance providing a truly broadband noise suppression.

Specifications

Capacitance	: 0.0047 μ F to 10 μ F
Voltage range	: 63V – 700Vdc , upto 440Vac 400Hz
Current ratings	: 1A to 2500A
High frequency suppression	: upto 2GHz
Reference standards	: JSS 50123
Temperature range	: -55°C to +125°C, -55°C to +85°C
Mounting	: Bulkhead or Panel or Through-hole
Applications	: Power, Telecom and Defence



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Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

List of Capacitors & Filters for reference:

Rated Current	Capacitor Description
1A	0.47 μ F 250Vac
5A	0.47 μ F, 1 μ F, 2 μ F & 3 μ F 440Vac
10A	0.0047 μ F 250Vac 1000Vdc
10A	0.5 μ F 150Vdc
15A	1 μ F 400Vdc
20A	0.05 μ F 350Vdc
50A	0.1 μ F 350Vdc
50A	2.37 μ F 30Vdc
60A	0.25 μ F 440Vac
100A	0.022 μ F 440Vac
100A	0.25 μ F 250Vac
100A	1 μ F 440Vac
100A	10 μ F 700Vdc 275Vac
150A	2 μ F 400Vdc
200A	1 μ F , 2 μ F 400Vdc
200A	8 μ F 36Vdc
350A	2 μ F, 3 μ F 400Vdc
400A	1 μ F, 3 μ F 400Vdc
400A	5 μ F 30Vdc
400A	10 μ F 100Vdc
1000A	3 μ F 700Vdc
2000A	2 μ F 440Vac
2500A	3 μ F 440Vac
15A	LC & PI Filter
20A	PI Filter
300A	Pi Filter



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Advance High Voltage Capacitors

Advance High voltage capacitors are designed for wide range of applications such as Energy Storage, Filtering, Bypass, Voltage Multiplier and Coupling. These capacitors are Non-Inductive, Self-healing and are available either in Dry type or Partially oil impregnated construction .

Specifications:

Capacitance	: 0.003 μ F to 10 μ F
Rated Voltage	: 4kVdc to 40KVdc
Tolerance	: $\pm 5\%$, $\pm 10\%$
Case	: for Axial terminations - Fibre Glass tube or Yellow Wrap tape or Plastic can for Radial terminations – Metal box or Plastic box end filled with thermosetting epoxy resin
Terminals	: Screw with Bush or Flange with Internal threading or lead wires or metal strips
Dielectric	: Metallised Plastic film
Temperature range	: -40°C to +85°C



Registered Office and Factory:

Advance Components and Instruments Pvt Ltd

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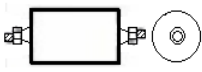
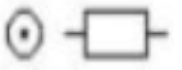
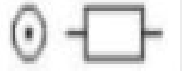
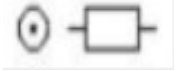
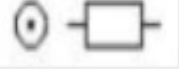
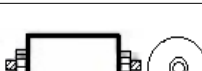
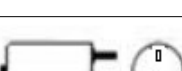
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Website: www.advance-capacitors.com

Catalog

Description	Schematic	Dimensions
3nf to 15nF 15Kvdc & 30kVdc		Fibreglass tube with Axial mounting and screw with ceramic bush terminals
0.047μF 5kVdc		19mm(d)*45mm(L) Yellow wrap tape with lead wires
0.068μF 8kVdc		48mm(d)*45mm(L) Yellow wrap tape with lead wires
0.005μF 10kVdc		14mm(d)*45mm(L) Yellow wrap tape with lead wires
0.0047μF 6kVdc		38mm(d)*60mm(l) Plastic can with Axial mounting and copper strip terminals
0.033μF 16kVdc		45mm(d)*70mm(l) Plastic can with Axial mounting and lead wires
0.5μF 4kVdc		84mm(d)*70mm(l) Fibre Glass tube with Flange terminals
4μF 4kvdc		50mm(w)*135mm(l)*150mm(h) Metal box with Screw terminals and Bottom stud mounting
0.01μF 12kVdc		22mm(d)*52mm(l) Plastic can with Axial mounting and lead wires
10μF 5kVdc		80mm(w)*155mm(l)*350mm(h) Metal box with Screw terminals and Bottom stud mounting
0.019μF 18kVdc		62mm(d)*150mm(l) Fibreglass tube with Axial mounting and screw with ceramic bush terminals
0.47μF 5kVdc		45mm(d)*110mm(l) Aluminum can with Ceramic bush and tab connectors.

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AND INSTRUMENTS PVT. LTD.**

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GSTIN : 29AABCA1720D1ZA

ADVANCE Metallised Polypropylene series foil snubber Capacitors

GENERAL

- ◆ Non Polar
- ◆ Low Losses
- ◆ Low ESR, ESL
- ◆ High Insulation Resistance
- ◆ Suitable for High Frequencies
- ◆ Self Healing

Snubbers are high peak current capacitors used in power semiconductor circuits for energy conversion. And, they are used to suppress or attenuate high voltage peaks to protect semiconductor devices.

Advance snubber capacitors are made using internationally accepted series metallised technology for self-healing property. Aluminium foil electrodes are used for high peak current capacities. Capacitor elements are non-inductive and encapsulated in a yellow tape wrap end sealed with flame retardant thermosetting epoxy resin for environmental protection.

APPLICATIONS :

- ◆ IGBT Module Protection
- ◆ Energy Conversion in power electronics
- ◆ Thyristor protection
- ◆ High Pulse applications

TYPE: FKP-7 Cylindrical, Tape wrap / wrap flat, Axial Lead

STANDARDS : IEC-384-14

SPECIFICATIONS :

Dielectric Film	: Polypropylene film + Al.Foil
Temperature Range	: -55 °C to +105 °C
Tan Delta (C < 1uf)	: ≤ 0.0005 @ 1kHz and 25°C
Insulation Resistance	: for C ≤ 0.33μF ≥ 100,000MΩ
at 100 V DC	: for C > 0.33μF ≥ 30,000MΩ
Test Voltage	: 1.6 times rated DC Voltage
Climatic Category	: 55/100/56
Voltage Derating	: 1.5% per C above 85°C
Tolerance	: ±5%, ±10%
Stability	: < 0.5% over 2 Years

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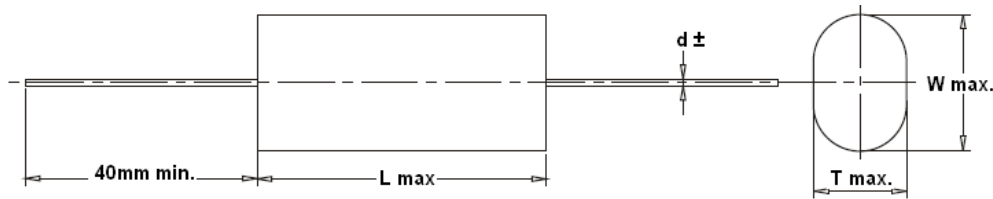
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Website: www.advance-capacitors.com

Advance Polypropylene Series Foil Snubber Capacitors – FKP-7



Rated Voltage 850Vdc / 450Vac

Capacitance	T max	W max	L max	d	dv/dt , V/μS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.150	10.0	16.0	34.0	1.0	800	120	7.4	6
0.220	12.0	18.0	34.0	1.0	800	176	8.0	6
0.330	14.0	20.0	34.0	1.0	800	264	9.4	5
0.470	17.0	23.0	34.0	1.0	800	376	11.7	5
0.680	19.0	25.0	46.0	1.2	500	340	13.8	4
1.000	22.0	33.0	46.0	1.2	500	500	14.4	3
1.200	22.0	33.0	46.0	1.2	400	480	16.7	3
1.500	24.0	34.0	46.0	1.2	400	600	20.3	2

Rated Voltage 1000 Vdc / 500 Vac

Capacitance	T max	W max	L max	d	dv/dt , V/μS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.220	12.0	18.0	34.0	1.0	800	176	8.0	6
0.330	14.0	20.0	34.0	1.0	800	264	9.4	5
0.470	17.0	23.0	34.0	1.0	800	376	11.7	5
0.680	19.0	25.0	46.0	1.2	500	340	13.8	4
1.000	22.0	33.0	46.0	1.2	500	500	14.4	3
1.200	22.0	33.0	46.0	1.2	400	480	16.7	3
1.500	24.0	34.0	46.0	1.2	400	600	20.3	2

Rated Voltage 1600Vdc / 630Vac

Capacitance	Tmax	W max	L max	d	dv/dt , V/μS	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, mΩ
0.100	13.0	19.0	34.0	1.0	1100	110	9.0	7
0.150	16.0	21.0	34.0	1.0	1100	165	10.0	7
0.220	18.0	25.0	34.0	1.2	1100	242	12.0	7
0.330	17.0	23.0	46.0	1.2	900	297	12.0	7
0.470	21.5	28.5	46.0	1.2	900	423	13.8	6
0.680	23.5	34.0	46.0	1.2	900	612	14.5	6



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ISO 13485 : 2016

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Rated Voltage 2000 Vdc / 630Vac

Capacitance	Tmax	W max	L max	d	dv/dt , V/ μ S	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, m Ω
0.033	8.0	14.0	34.0	1.0	1200	40	4.8	19
0.047	9.0	16.0	34.0	1.0	1200	56	6.7	10
0.068	11.0	18.0	34.0	1.0	1200	81	7.9	8
0.100	14.0	20.0	34.0	1.0	1200	120	9.5	6
0.150	14.0	23.0	46.0	1.0	950	142	10.0	6
0.220	16.0	27.0	46.0	1.0	950	209	11.0	6
0.330	18.0	27.0	46.0	1.2	850	280	12.8	5
0.470	19.0	33.0	46.0	1.2	850	400	15.0	5

Rated Voltage 2500 Vdc / 750Vac

Capacitance	Tmax	W max	L max	d	dv/dt , V/ μ S	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, m Ω
0.033	9.2	16.0	34.0	1.0	1300	43	4.8	19
0.047	10.0	17.0	34.0	1.0	1300	61	6.5	10
0.068	12.0	19.0	34.0	1.0	1300	88	8.6	8
0.100	15.0	21.0	34.0	1.0	1300	130	9.8	6
0.150	15.0	24.0	46.0	1.0	1050	157	10.9	6
0.220	18.0	27.0	46.0	1.0	950	209	11.2	6
0.330	19.0	33.0	46.0	1.2	950	313	13.5	5

Rated Voltage 3000 Vdc / 750Vac

Capacitance	Tmax	W max	L max	d	dv/dt , V/ μ S	I Peak, A	Irms max at 100kHz , A	ESR @ 100kHz, m Ω
0.015	8.5	15.5	34.0	1.0	1500	22	3.0	35
0.022	9.2	16.0	34.0	1.0	1500	33	4.2	22
0.033	10.0	17.0	34.0	1.0	1500	49	6.1	12
0.047	12.0	19.0	34.0	1.0	1200	56	6.8	12
0.068	14.0	21.0	46.0	1.0	1200	81	7.9	10
0.100	15.0	24.0	46.0	1.2	1200	120	9.3	8
0.150	18.0	27.0	46.0	1.2	1200	180	12.0	6

Metallised Polypropylene Snubber capacitors-FKP6

GENERAL

- ◆ Non Polar
- ◆ Low Losses
- ◆ Low ESR, ESL
- ◆ High Insulation Resistance
- ◆ Suitable for High Frequencies
- ◆ Self Healing

Snubbers are high peak current capacitors used in power semiconductor circuits for energy conversion. And, they are used to suppress or attenuate high voltage peaks to protect semiconductor devices.

Advance snubber capacitors are made using internationally accepted series metallised technology for self-healing property. Aluminium foil electrodes are used for high peak current capacities. Capacitor elements are non-inductive and encapsulated in a yellow tape wrap end sealed with flame retardant thermosetting epoxy resin for environmental protection.

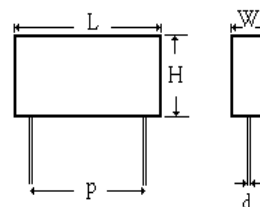
APPLICATIONS :

- ◆ IGBT Module Protection
- ◆ Energy Conversion in power electronics
- ◆ Thyristor protection
- ◆ High Pulse applications

TYPE: FKP-6 Radial box type **STANDARDS :** IEC-384-14

SPECIFICATIONS :

Dielectric Film	: Polypropylene film + Aluminium Foil
Temperature Range	: -55 °C to +105 °C
Tan Delta (C < 1uf)	: ≤ 0.0005 @ 1kHz and 25°C
Insulation Resistance	: ≥ 5000MΩ*μF
Test Voltage	: 1.6 times rated DC Voltage
Climatic Category	: 55/100/56
Voltage Derating	: 1.5% per C above 85°C
Tolerance	: ±5%, ±10%
Stability	: < 0.5% over 2 Years
Terminals	: Tinned copper leads (PCB mounting application)



No	Description	I _{peak} A	Dv/dt V/μS	Dimensions W*L*H*PITCH
1	0.0010μF 2000vDC/750VAC ±10%	≥13	13000	6*12*18*15.2
2	0.0022μF 2000vDC/750VAC ±10%	≥28	13000	6*12*18*15.2
3	0.0047μF 2000vDC/750VAC ±10%	≥61	13000	7.5*18*14*15.2
4	0.0068μF 2000VDC/750VAC ±10%	≥ 81	13000	8.5*18*14.5*15.2
5	0.0100μF 2000VDC/750VAC ±10%	≥ 60	6000	11*32*21*27.5
6	0.0220μF 2000VDC/750VAC ±10%	≥ 132	6000	11*32*21*27.5
7	0.0470μF 2000VDC/750VAC ±10%	≥ 282	6000	11*32*21*27.5
8	0.0680μF 2000VDC/750VAC ±10%	≥ 400	6000	11*32*21*27.5