


ADVANCE DC LINK CAPACITORS

ADC-CP Series

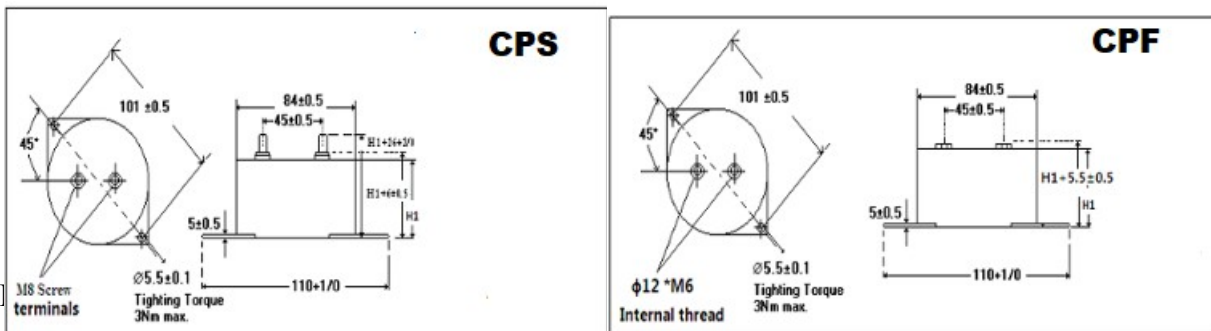
Advance medium power film capacitors are specifically designed for DC filtering and low reactive power applications

TECHNICAL DETAILS:

Capacitance Range	: 20 μ F to 200 μ F	
Rated Voltage range (Vn)	: 500Vdc to 1000Vdc	
Tolerance	: $\pm 5\%$, $\pm 10\%$	
Irms Max	: 100A	
Dielectric	: Metallised Polypropylene Film	
Casing	: Plastic case with mounting clamp & 2 holes (self-extinguishing FR grade, optional) filled with thermosetting epoxy resin UL94V0	
Terminals (2)	: Nickel / Tin Plated M8 Brass Screw terminals with Bush -Max Torque-10Nm	
Test voltage between terminals(10s)	: 1.3 x V _n DC	
Insulation withstanding voltage between shorted terminals & body	: 4kV _{rms} , 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
ADC-CPx
Value, Tolerance
Voltage, Current
Part Code
Mysore – India



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

Standard Capacitor Range :

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

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

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ADC-CA Series

Advance DC link film capacitors are designed for UPS, Wind and Solar Inverter applications.

TECHNICAL DETAILS:

Capacitance Range	: 140 μ F to 700 μ F
Rated Voltage range	: Upto 1320 Vdc
Tolerance	: \pm 5%, \pm 10%
Dielectric	: Metallised Polypropylene Film
Casing	: Aluminium case with M12 bottom stud (Max Torque-12Nm) filled with thermosetting epoxy resin UL94V0
Terminals (2)	: Type CAF- Nickel / Tin Plated M6 Brass Internal thread -Max Torque-8Nm
	OR
	Type CAS -Nickel Plated Brass Screw terminals with Ceramic Bush - Max Torque -10Nm

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 ADC-CAx Value , Tolerance Voltage , Current Batch No / Date Mysore – India DISCHARGE BEFORE HANDLING



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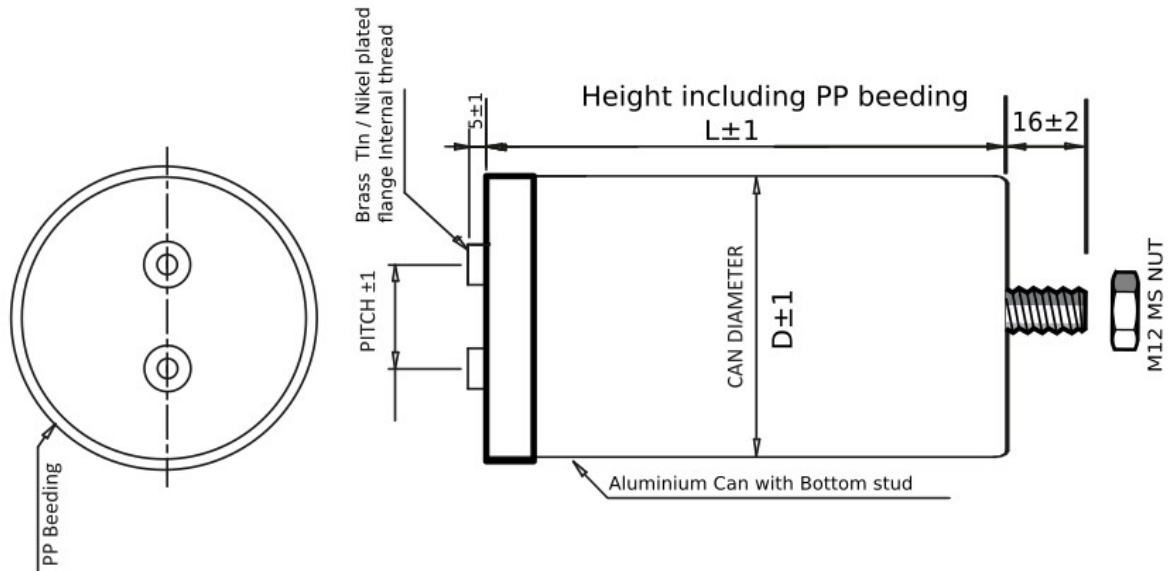
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Standard Capacitor Range:

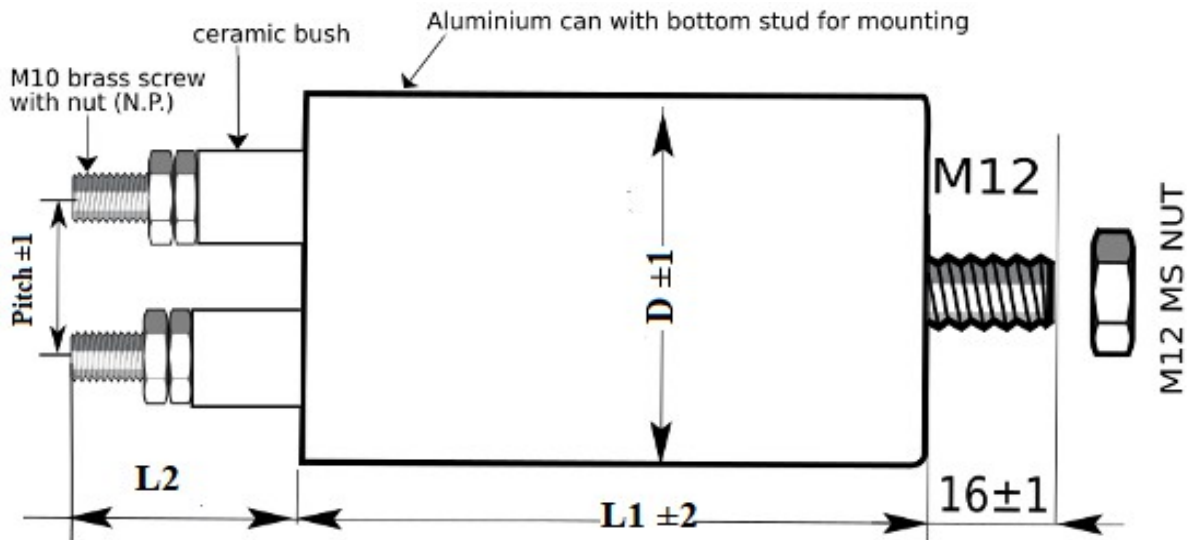
Rated DC voltage VDC	Capacitance @ 1kHz	Current Max A	Case Dimensions (mm) D x L1	Case Dimensions (mm) D x L1
			ADC-CAF	ADC-CAS
900	300 μ F	40	100 x 133	100 x 130
	360 μ F	40	116 x 133	116 x 130
	400 μ F	40	116 x 133	116 x 130
	430 μ F	40	116 x 133	116 x 130
	475 μ F	60	136 x 133	136 x 130
	495 μ F	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
	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

TYPE 1 ADC-CAF

Standard available Pitch = 35 & 50 mm



TYPE 2 ADC-CAS



Standard available Pitch = 35 & 50 mm

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

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

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ADC-RP Series

Advance DC link through-hole capacitors suitable for battery chargers, UPS, driver circuits and Solar inverters.

TECHNICAL DETAILS:

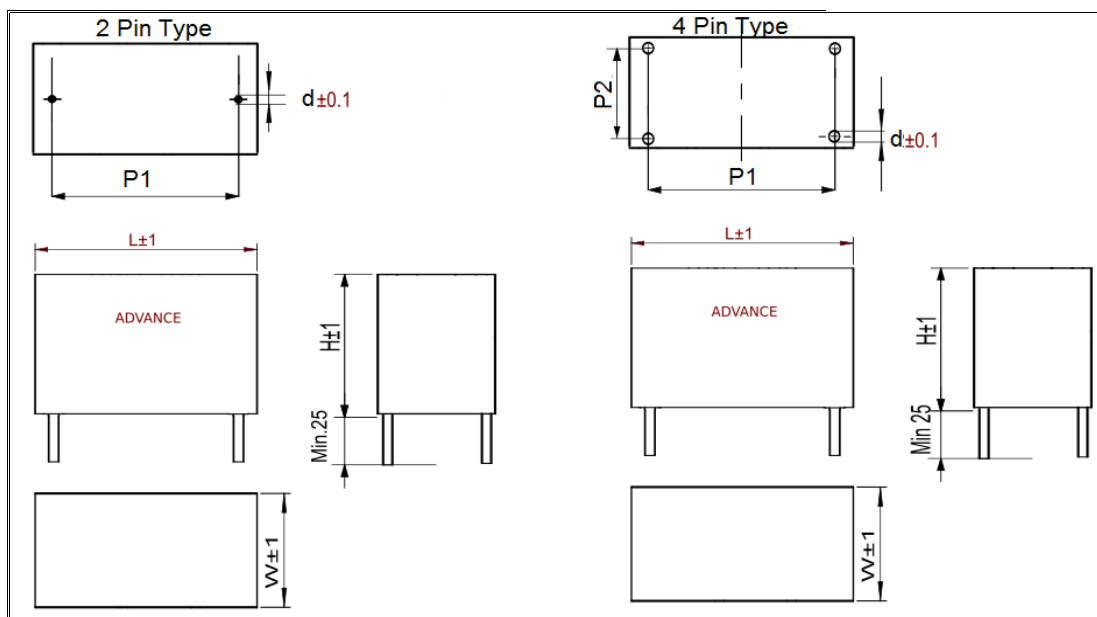
Capacitance Range	: 4.7 μ F to 60 μ F
Rated Voltage range	: 400Vdc to 1100Vdc
Tolerance	: \pm 5% / \pm 10%
Dielectric	: Metallised Polypropylene Film
Casing	: Plastic case with (self-extinguishing FR grade, optional) filled with thermosetting epoxy resin UL94V0
Terminals	: Tin Plated Copper Lead of 0.8 / 1.0 / 1.2mm Dia -2 Pins OR 4 pins configuration available
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
Protection	: Protected / Unprotected



Dimensional Drawing: Dimensions (in mm) Not to Scale

ADC-RP2

ADC-RP4



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

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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

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

Marking

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

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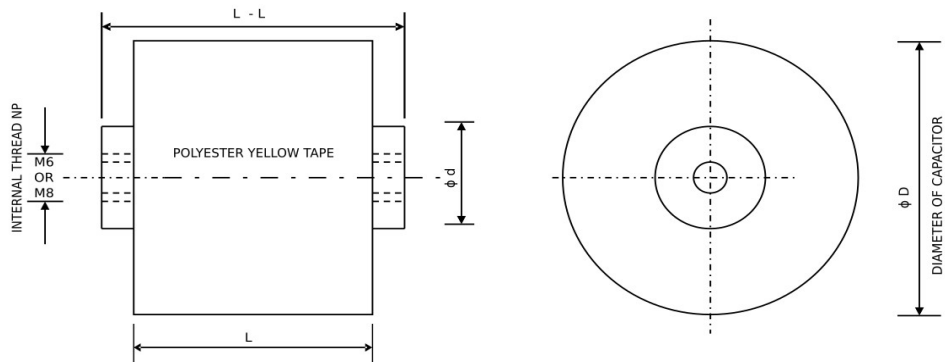
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ADC-AR Series

Advance DC link Axial mounting type Capacitors suitable for Welding and Solar inverters.

Technical Specifications:

Capacitance	: 5 μ F to 400 μ F
Rated Voltage	: 400Vdc to 800Vdc
Tolerance	: \pm 5%, \pm 10%
Dielectric	: Metallised Polypropylene Film
Casing	: Axial round with Yellow wrap tape
Terminals	: Brass/Copper Flange with internal threading
Temperature Range	: -40°C to +85°C
Climatic Category	: 40/85/56



Marking

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

Registered Office and Factory:

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