

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:

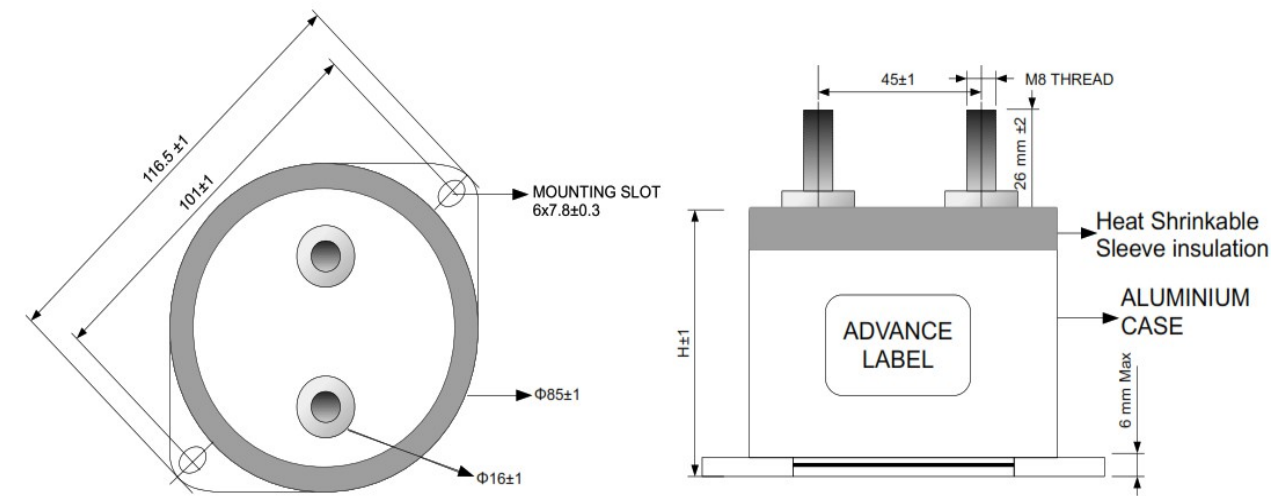
Capacitance Range	: 20µF to 500µF
Rated Voltage range (Vn)	: 500Vdc to 1500Vdc
Tolerance	: ±5% , ±10%
Max RMS current	: 100A
Dielectric	: Metallised Polypropylene Film
Casing	: Aluminum case with integrated aluminium mounting clamp end filled with thermosetting epoxy resin UL94V0
Terminals (2)	: Nickel / Tin Plated M8 Brass Screw terminals with Bush or Flange terminals with internal threading
Test voltage between terminals(10s)	: 1.3 x V _{n DC}
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 :

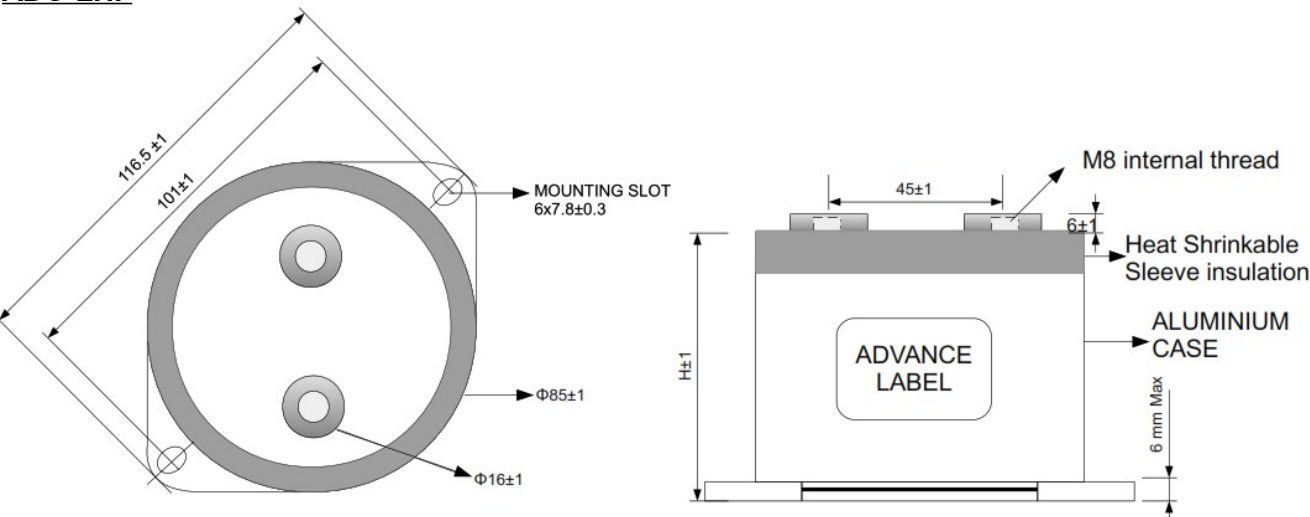
ADVANCE
ADC-LHx
Value, Tolerance
Voltage, Current
Part Code
Mysore – India

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:

Advance Components and Instruments Pvt Ltd

3A-3A/1, Belavadi Industrial Area ,Mysore – 570018 KARNATAKA

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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

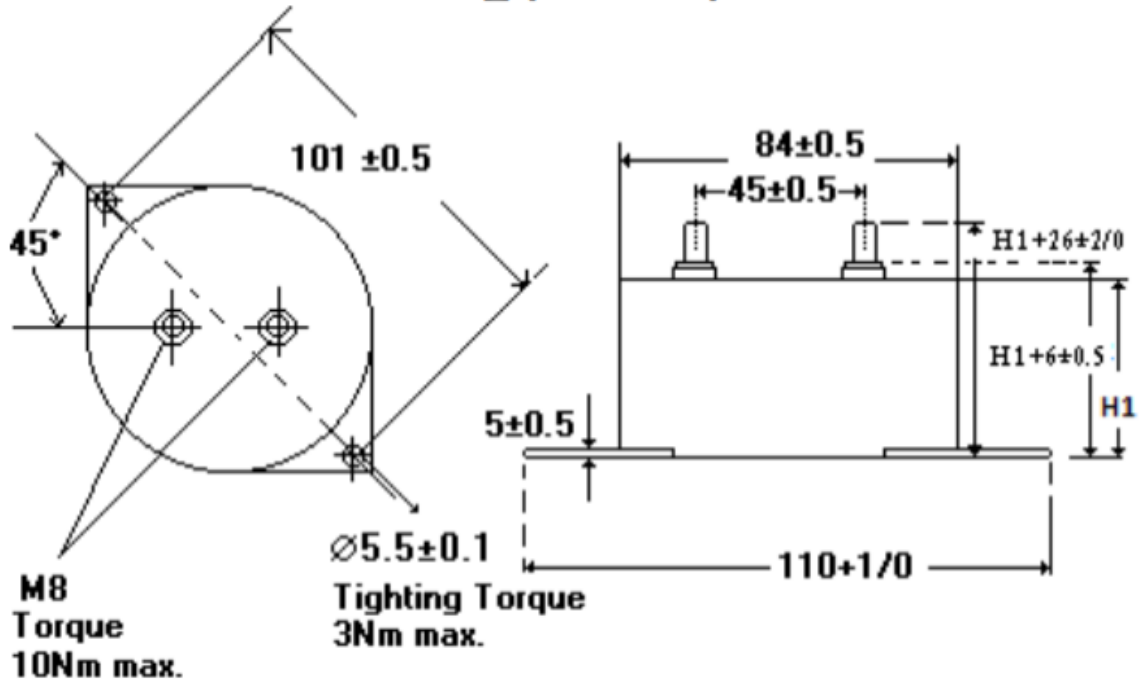


Standard Capacitor Range :

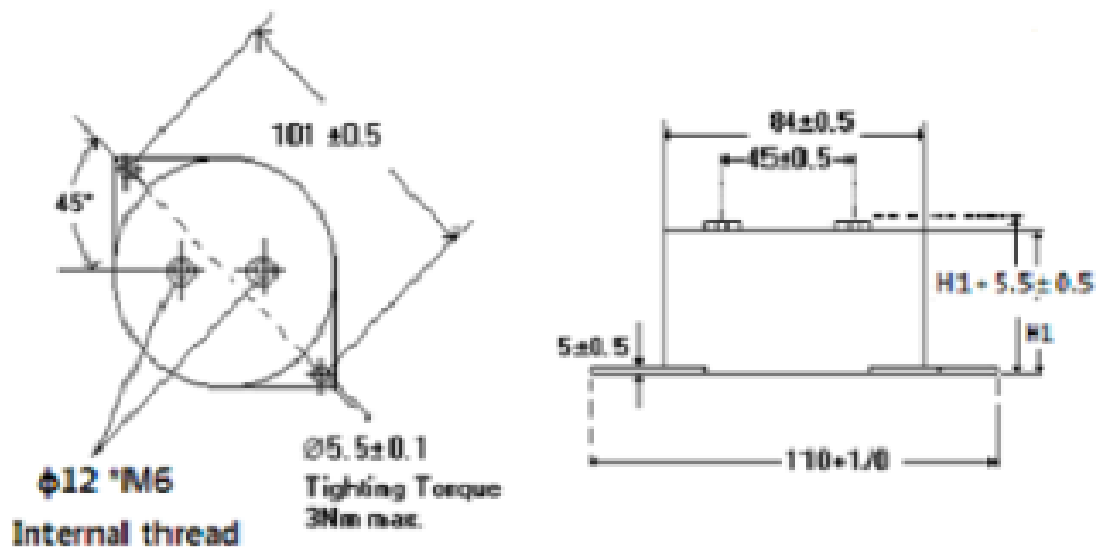
Rated DC Voltage	Capacitance @ 1kHz	Case Size in mm D X H1 (± 1)
500	100 μ F	84 x 51
	150 μ F	84 x 51
	200 μ F	84 x 64
600	100 μ F	84 x 51
800	20 μ F	84 x 40
	50 μ F	84 x 40
	60 μ F	84 x 40
	66 μ F	84 x 40
	70 μ F	84 x 40
	100 μ F	84 x 51
1000	50 μ F	84 x 51
	66 μ F	84 x 64
	100 μ F	84 x 64
	150 μ F	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

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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

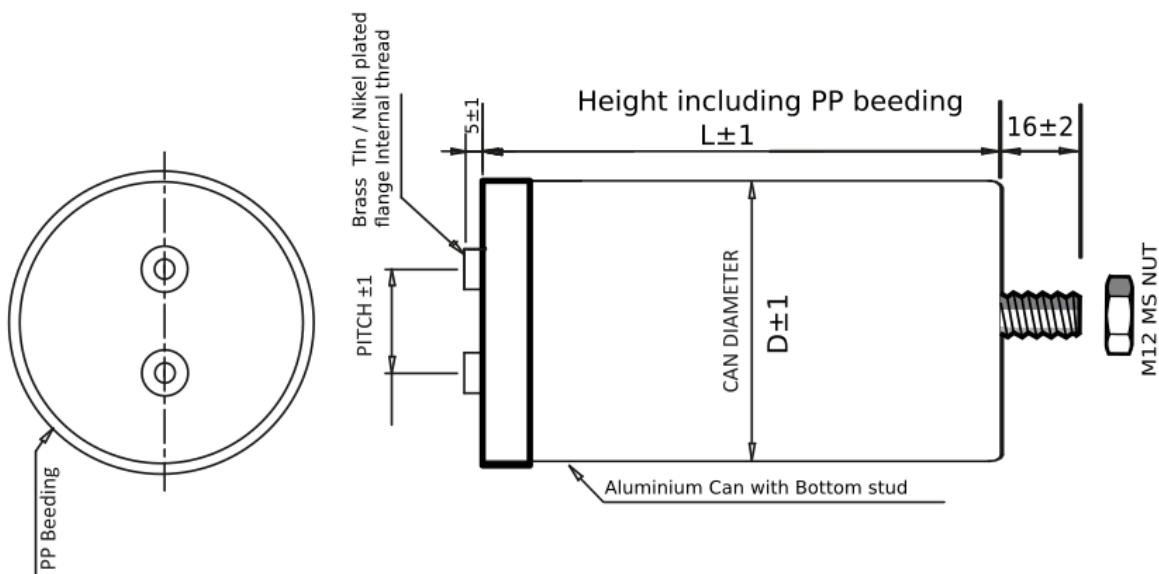
Marking

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

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

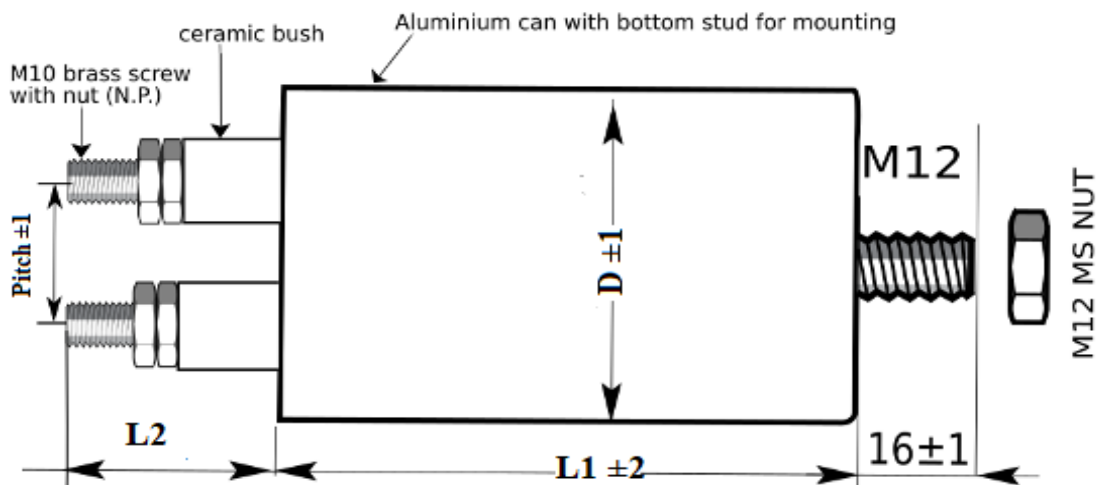
TYPE 1 ADC-CAF

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

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AND INSTRUMENTS PVT. LTD.**

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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

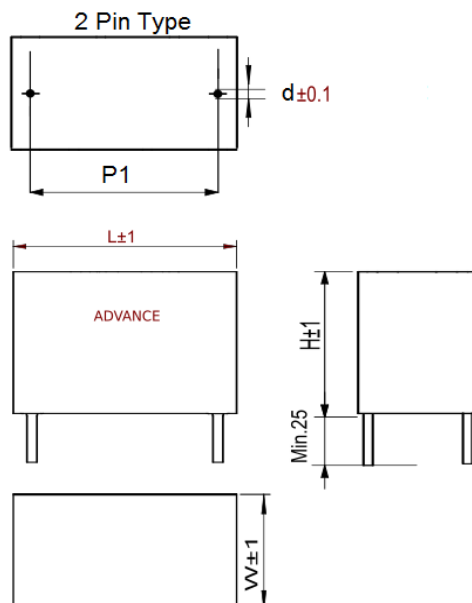


Marking

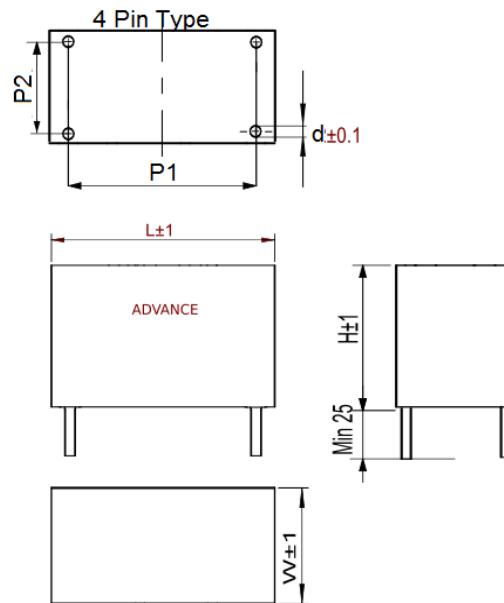
ADVANCE Value,
Tolerance Voltage,
Current Part Code

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 µF	17 x 42 x 19
500	10 µF	19 x 43.5 x 36
	15 µF	19 x 43.5 x 36
	20 µF	35.5 x 57 x 50
	30 µF	35.5 x 57 x 50
	50 µF	35.5 x 57 x 50
	60 µF	35.5 x 57 x 50
800	10 µF	19 x 43.5 x 36
	15 µF	19 x 43.5 x 36
	20 µF	35.5 x 57 x 50
	30 µF	35.5 x 57 x 50
	50 µF	35.5 x 57 x 50
	60 µF	35.5 x 57 x 50
1100	10 µF	30 x 44 x 44

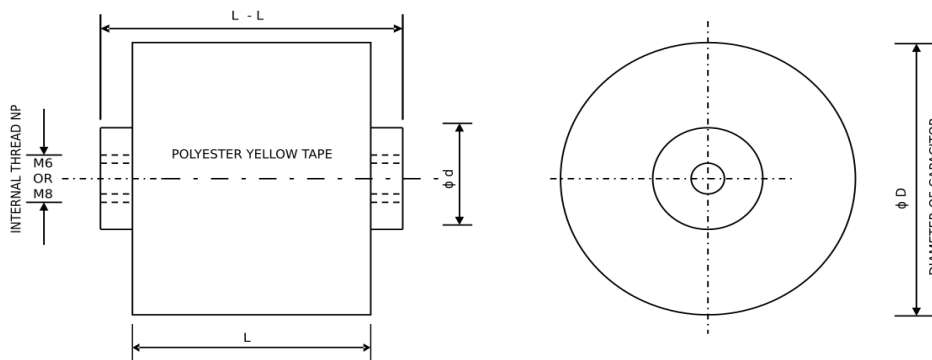
ADVANCE DC LINK CAPACITORS (ADC-AR series)

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