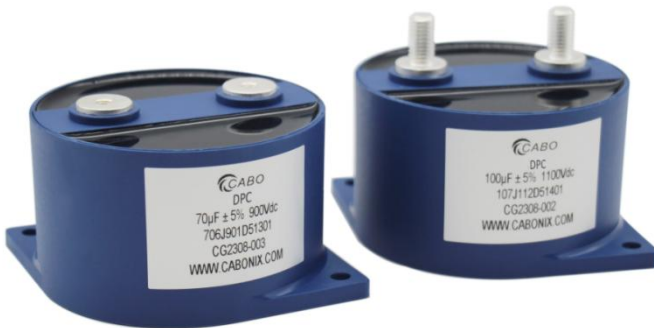


DPC series Low ESL DC-Link Applications



FEATURES

- Dry type structure
- High ripple current handling
- For low inductance applications
- Self-healing property
- Available with male and female terminals
- Plastic case with resin sealing

APPLICATIONS

- Wind power/ Solar power
- Electric vehicle/ Frequency converter
- UPS/ power supply,
- EV/ GTO snubbing

DPC SERIES DC-LINK CAPACITORS

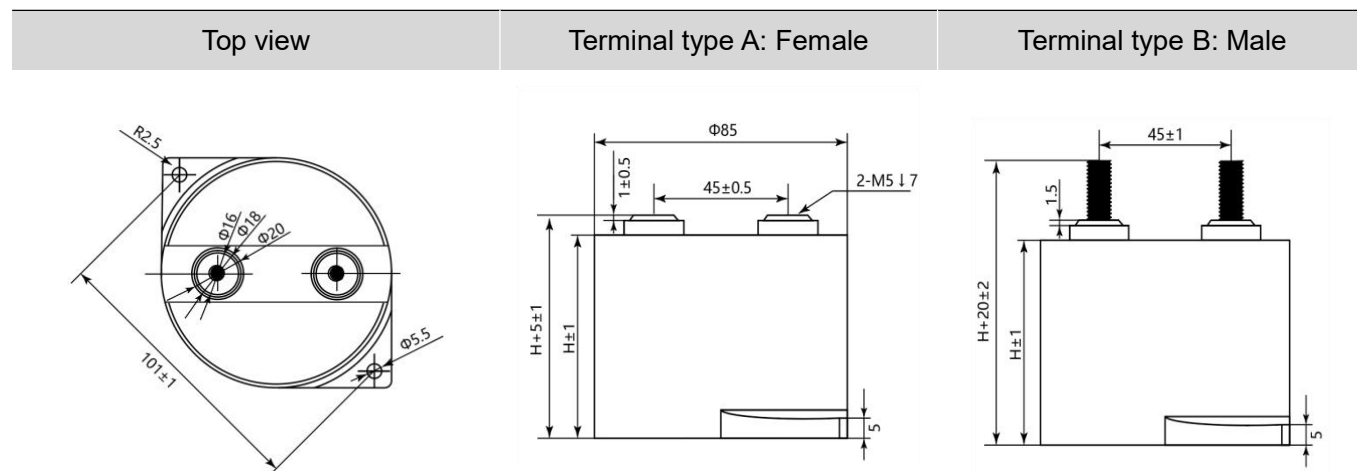
DPC series is specifically designed for use in high power DC filtering and high pulse strength applications. The low inductance internal construction utilizes low loss metallized polypropylene for high ripple current capability. Male or female terminal options are offered flexibly. The capacitors are made of UL94 V-0 rated flame retardant plastic case and resin filling. High current ratings and robust mounting flanges make it suited for DC fast EV charging, GTO thyristors, power inverters, wind power inverters and motor drives.

ELECTRICAL CHARACTERISTICS

Capacitance Range:	10~600µF
Operating Temperature:	-40°C~+85°C standard (105°C optional)
Capacitance Tolerance:	±5%(J); ±10% (K)
Rated Voltage (U _n):	400~5000V _{dc}
Test Voltage between Terminals:	1.5U _n 60s
Insulation Resistance:	R*C ≥ 5000S @100Vdc, 60S
Max. Altitude:	<4000m
Flame Resistance:	UL 94V-0
Lifetime Expectancy:	≥100,000Hours @U _n , θ _{h.s.} ≤70°C
Max Torque of terminals:	6.0Nm
Failure Rate:	50FIT

DPC series Low ESL DC-Link Applications

OUTLINE DRAWING



COMMON DESIGN

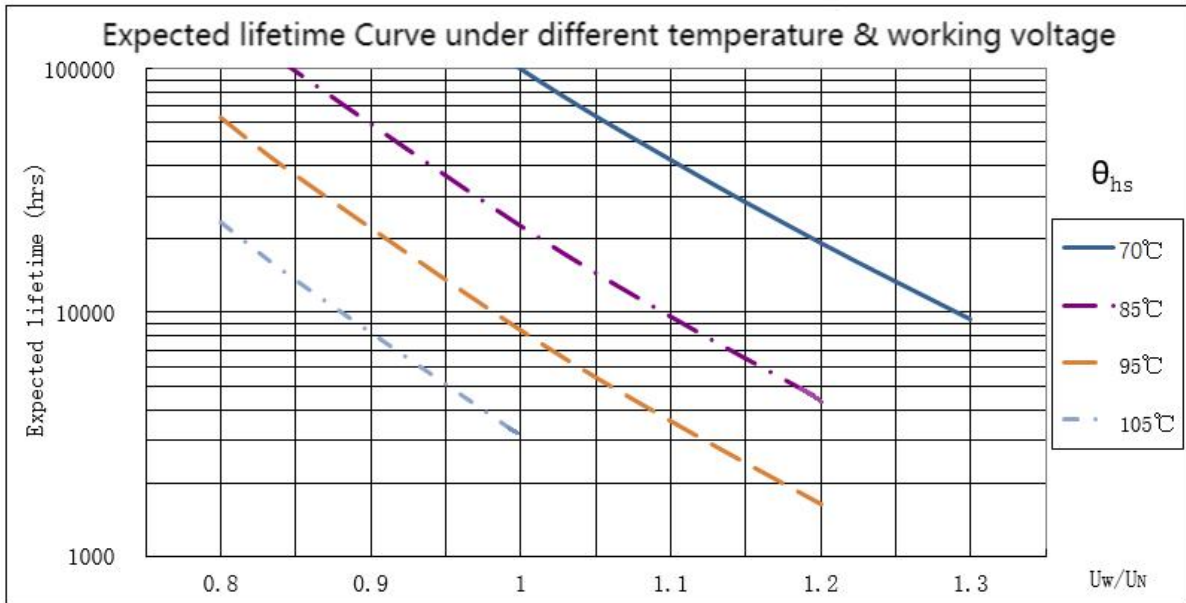
Rated Voltage (U_{ndc})	Rated cap.(μF)	Dimensions(mm)		Inductance (nH)	Weight (kg)
	C_n	ϕD	H		
600	200	85	51	30	0.36
	280	85	64	35	0.45
	400	85	76	40	0.53
800	150	85	51	30	0.36
	220	85	65	35	0.45
	300	85	76	40	0.53
900	12	85	51	25	0.36
	20	85	51	28	0.36
	30	85	51	28	0.36
	120	85	51	30	0.36
	240	85	76	40	0.53
1100	75	85	51	30	0.36
	100	85	64	35	0.45
	150	85	76	40	0.53
1800	30	85	51	30	0.36
	40	85	64	35	0.45
	60	85	76	40	0.53
2200	24.5	85	64	0.45	0.45
	35	85	76	0.53	0.53

* CABO reserves the right to make changes without further notice to any products herein to improve reliability, function or design.

* Max. permissible voltages within one day: (1.1 U_n , 30% of on-load duration) (1.15 U_n , 30min) (1.2 U_n , 5min) (1.3 U_n , 1min) (1.5 U_n , 100ms).

* Other values and dimensions are available on request.

DPC series Low ESL DC-Link Applications



For capacitors application, various factors will affect the expected life of capacitors such as voltage, temperature, current, network harmonics, lighting or radiation and other unknown factors. The above lifetime curve only considers the effects of voltage and temperature. Based on the qualified results of long-term durability test, the lifetime curve of the capacitor under different working conditions is calculated by using the theoretical calculation formula of lifetime. Therefore, the lifetime curve is only used as a reference for selection, and does not represent the actual service life of the capacitor, nor does it represent the quality assurance requirements.

RELATED CAPACITOR SERIES



CABO is a leading brand of high reliability capacitors, providing specifically designed solutions to meet the reliability needs of industrial, military, medical and specialized applications worldwide.

As a well-known brand of China, CABO capacitors are among the world's most reliable component. Focus on High-End global markets and High reliability request fields, providing customization services. With world-class design, testing and manufacturing facilities in China, enable the quick turn-around for fast and mass delivery worldwide.

Our extensive custom design and development capabilities coupled with standardized mass production capacity offerings allow us to be a competitive option for power electronics industry.