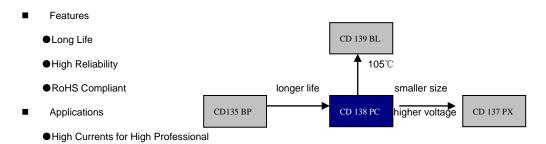
CD 138 PC SERIES



5000h at 85℃





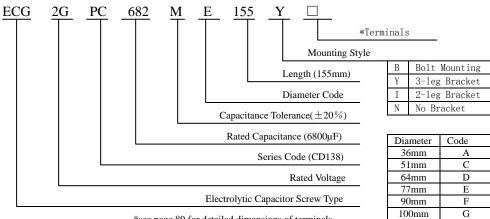
Items	Characteristics			
Operating Temperature Range(°C)	-40 ~ +85			
Voltage Range (V)	350~450			
Capacitance Range(µF)	1000~18000			
Capacitance Tolerance (20°C,120Hz)	±20%			
Leakage Current (μΑ)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 5mA, whichever is $smaller$. C: Nominal Capacitance(μ F) V: Rated Voltage(V)			
Dissipation Factor (20°C, 120Hz)	Less than 0.15			
Stability at Low Temperature(120Hz)	C(-25°C)/C(+20°C) ≥0.7			

	Useful Life		Load Life	Endurance Test	Shelf Life	
Life Time	>10000h	>100000h	5000h	5000h	1000h	
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value	
Capacitance Change	Within $\pm 30\%$ of initial value		Within $\pm 20\%$ of initial value	Within $\pm 10\%$ of initial value	Within $\pm 20\%$ of initial value	
Dissipation Factor	Not more than 300% of specified value		Not more than 200% of specified value	Not more than 130% of specified value	Not more than 200% of specified value	
Condition: Applied Voltage Applied Current Applied Temperature	U _R I _R 85°C	U _R 1.2×I _R 40°C	U _R I _R 85°C	U _R I _R = 0 85°C	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	

CD 138 PC SERIES



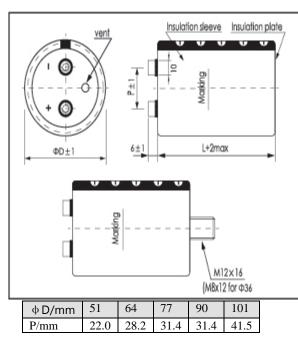
Part Number System (Ex:400v6800µF)



^{*}see page 89 for detailed dimensions of terminals.

Dimensions

mm



*Hex head screw M5 \times 10 and M6 \times 12 are standard screws.

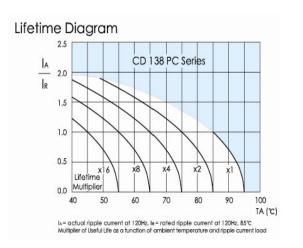
Longer screws are available on request.

*Max tightening torque for screw terminanl M5:3Nm,M6:6Nm.

Max troque for bolt mounting M12:12.5Nm.

*Screws, Bracket and cap nut will be delivered separately.

See "Accessories" (page 88.89) for shape and dimensions.



Ripple Current Coefficient

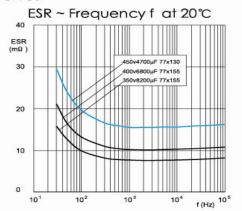
Frequency(Hz)	50/60	120	300	1k	>10k
Coefficient	0.80	1.00	1.10	1.30	1.40

Ambient Temp (°C)	40	60	85
Coefficient	1.89	1.67	1.00

The useful life can be prolonged by operating capacitor at loads below the rated values (e.g.lower operating voltage, Rms ripple current or ambient temperature) and by appropriate cooling measures.

It is advisable not to apply a ripple current exceeding the rated ripple current without any cooling measures as this will shorten capacitor's life.

Typical Curves



Impedance Z ~ Frequency f at 20°C

