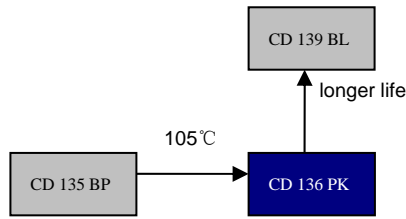


2000h at 105°C

- Features
 - Standard at 105°C
 - RoHS Compliant
- Applications
 - Professional Inverters and Power Supplies

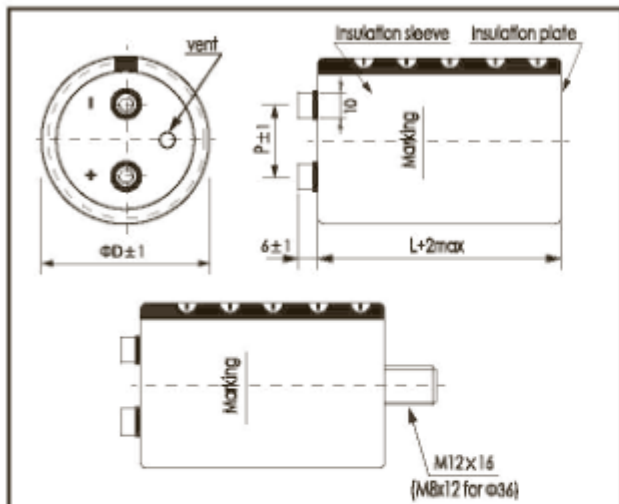


Items	Characteristics	
Operating Temperature Range(°C)	-40 ~ +105	-25~+105
Voltage Range (V)	25~100	160~450
Capacitance Range(μF)	220~33000	
Capacitance Tolerance (20°C,120Hz)	±20%	
Leakage Current (μA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 5mA, whichever is smaller . C: Nominal Capacitance(μF) V: Rated Voltage(V)	
Dissipation Factor (20°C, 120Hz)	Less than values shown in the standard ratings	

	Useful Life		Load Life	Endurance Test	Shelf Life
Life Time	>4000h	>200000h	2000h	2000h	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 ±30% of initial value		Within ±20% of initial value	Within ±10% of initial value	Within ±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 105°C	U_R $1.2 \times I_R$ 40°C	U_R I_R 105°C	U_R $I_R = 0$ 105°C	$U_R = 0$ $I_R = 0$ 105°C
					After test: U_R to be applied for 60min>24h before measurement

Dimensions

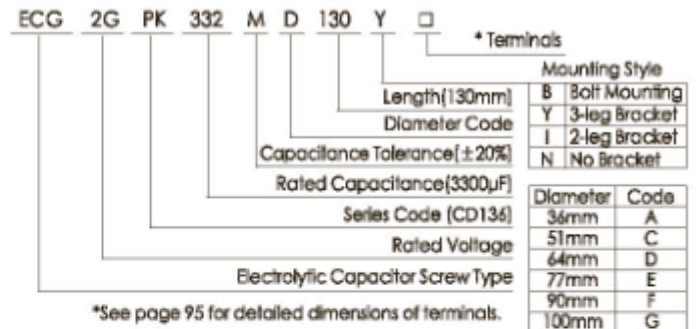
mm



ΦD/mm	36	51	64	77	90
P/mm	12.7	22.0	28.2	31.4	31.4

*Hex head screw M5 x 10 and M6 x 12 are standard screws. Longer screws are available on request.
 *Max tightening torque for screw terminal M5: 3Nm, M6: 6Nm. Max torque for bolt mounting M12: 12.5Nm.
 *Screws, Bracket and cap nut will be delivered separately. See "Accessories" (page 94,95) for shape and dimensions.

Part Number System (Ex: 400v3300μF)



Ripple Current Coefficient

Rated Voltage(V)	Frequency(Hz)				
	50/60	120	300	1K	>10k
25~100	0.95	1.00	1.04	1.10	1.15
160~250	0.90	1.00	1.08	1.15	1.20
350~450	0.80	1.00	1.18	1.35	1.40

Coefficient	Ambient Temp(°C)				
	40	55	70	85	105
	25~100V	4.9	3.9	3.0	1.8
160~250V	3.8	3.3	2.5	2.0	1.0
350~450V	2.44	2.28	2.12	2.0	1.0

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.

