

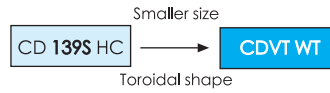
5000h at 105°C, 20000h at 85°C

■ Features

- Long Life, Smaller size
- High reliability, Large can toroidal design
- RoHS Compliant

■ Applications

- Highest currents for high professional power application and inverters.



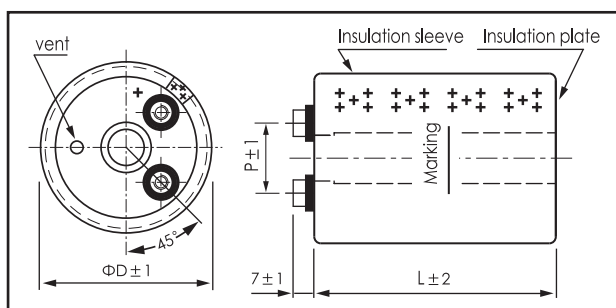
SCREW

Items	Characteristics
Operating Temperature Range (°C)	-40 ~ +105
Voltage Range (V)	350 ~ 500
Capacitance Range (μF)	680 ~ 10000
Capacitance Tolerance (20°C, 120Hz)	± 20%
Leakage Current (μA)	After 7 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 0.15
Vibration Rating	10-55Hz, 10g sinusoidal in three axis, 2 hours per axis.

	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	>9000h	>20000h	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 ± 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 x 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	77
P/mm	31.8

*Hex head screw M5 x 10 are standard screws.

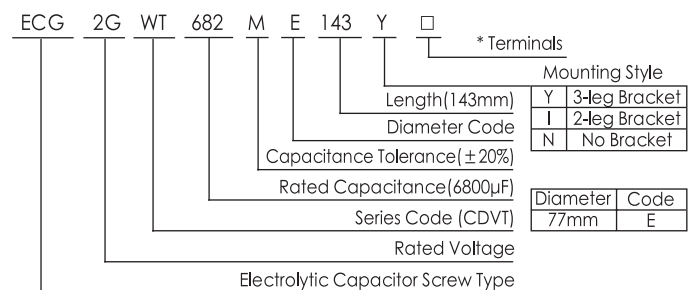
Other screws are available on request.

*Max tightening torque for screw terminal M5: 3Nm.

Max torque for bolt mounting M12: 12.5Nm.

*Screws, Bracket and cap nut will be delivered separately.
See "Accessories" for shape and dimensions.

Part Number System (Ex: 450v22000μF)



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)	45	65	85	105
Coefficient	2.45	2.12	1.73	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.

