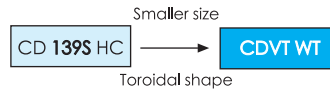


CDVT WT SERIES



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.

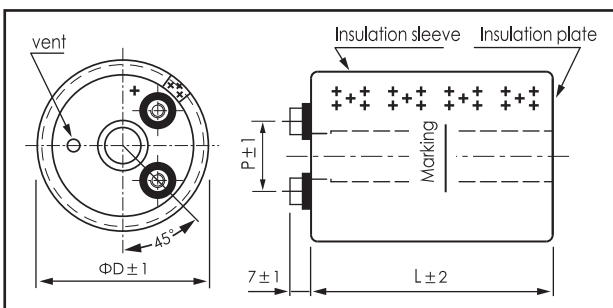


Items	Characteristics
Operating Temperature Range (°C)	-40 ~ +105
Voltage Range (V)	350 ~ 500
Capacitance Range (μF)	680 ~ 10000
Capacitance Tolerance (20°C, 120Hz)	± 20%
Leakage Current (μA)	After 7 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 5mA, whichever 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 $1.2 \times I_R$ 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

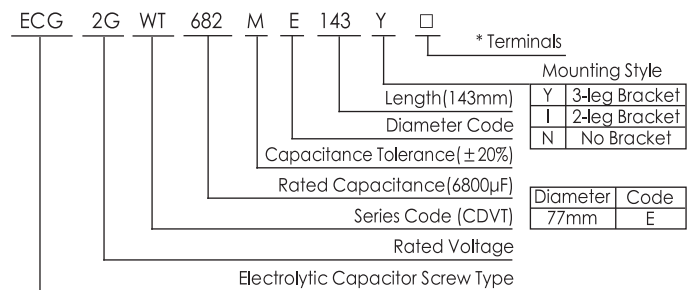
mm



ΦD/mm	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.

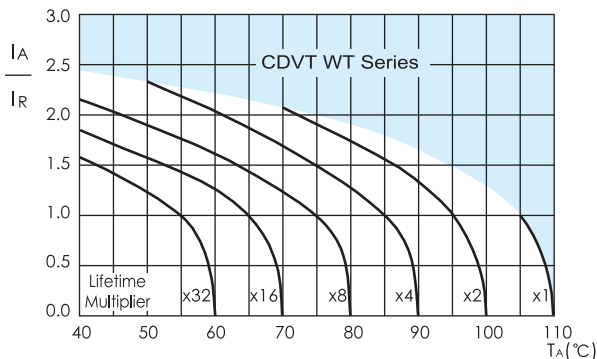
Ratings for CDVT WT Series

U_r (Surge Voltage) Code	Rated Capacitance	Max.ESR 25°C, 120Hz	Typ ESR 25°C, 120Hz	Rated Ripple Current 105°C,120Hz	Size $\Phi D \times L$	P/N
(V)	(μF)	(m Ω)	(m Ω)	(Arms)	(mm)	-
350 (400) 2V	1800	47.3	31.2	11.8	77×54	ECG2VWT182E054□□
	2700	31.9	21.1	15.4	77×67	ECG2VWT272E067□□
	3300	26.4	17.4	17.1	77×79	ECG2VWT332E079□□
	4700	18.7	12.3	21.6	77×92	ECG2VWT472E092□□
	5600	15.4	10.2	24.9	77×105	ECG2VWT562E105□□
	6800	13.2	8.7	30.2	77×130	ECG2VWT682E130□□
	8200	11.0	7.3	34.5	77×143	ECG2VWT822E143□□
400 (450) 2G	10000	8.8	5.8	41.0	77×168	ECG2VWT103E168□□
	1500	58.3	38.5	10.7	77×54	ECG2GWT152E054□□
	2200	39.6	26.1	13.9	77×67	ECG2GWT222E067□□
	2700	33.0	21.8	15.4	77×79	ECG2GWT272E079□□
	3300	26.4	17.4	18.1	77×92	ECG2GWT332E092□□
	3900	23.1	15.2	20.8	77×105	ECG2GWT392E105□□
	4700	18.7	12.3	24.0	77×117	ECG2GWT472E117□□
420 (470) 2X	5600	15.4	10.2	27.4	77×130	ECG2GWT562E130□□
	6800	13.2	8.7	31.4	77×143	ECG2GWT682E143□□
	8200	11.0	7.3	37.1	77×168	ECG2GWT822E168□□
	1200	97.9	64.6	9.3	77×54	ECG2XWT122E054□□
	1800	64.9	42.8	12.2	77×67	ECG2XWT182E067□□
	2200	44.0	29.0	14.9	77×79	ECG2XWT222E079□□
	3300	35.2	23.2	17.5	77×92	ECG2XWT332E092□□
450 (500) 2W	3900	29.7	19.6	20.1	77×105	ECG2XWT392E105□□
	4700	25.3	16.7	24.2	77×130	ECG2XWT472E130□□
	5600	20.9	13.8	27.6	77×143	ECG2XWT562E143□□
	6800	17.6	11.6	32.7	77×168	ECG2XWT682E168□□
	1000	97.9	64.6	9.3	77×54	ECG2WWT102E054□□
	1500	64.9	42.8	12.2	77×67	ECG2WWT152E067□□
	2200	52.8	34.8	13.5	77×79	ECG2WWT222E079□□
500 (550) 2H	2700	44.0	29.0	15.9	77×92	ECG2WWT272E092□□
	3300	35.2	23.2	18.5	77×105	ECG2WWT332E105□□
	3900	29.7	19.6	21.1	77×117	ECG2WWT392E117□□
	4700	25.3	16.7	24.2	77×130	ECG2WWT472E130□□
	5600	20.9	13.8	28.6	77×155	ECG2WWT562E155□□
	680	226.6	149.6	6.5	77×54	ECG2HWT681E054□□
	1000	154.0	101.6	8.4	77×67	ECG2HWT102E067□□
500 (550) 2H	1500	102.3	67.5	10.3	77×79	ECG2HWT152E079□□
	1800	85.8	56.6	12.0	77×92	ECG2HWT182E092□□
	2200	70.4	46.5	14.0	77×105	ECG2HWT222E105□□
	2700	57.2	37.8	16.3	77×117	ECG2HWT272E117□□
	3300	46.2	30.5	19.6	77×143	ECG2HWT332E143□□
	3900	39.6	26.1	22.1	77×168	ECG2HWT392E168□□

Mounting code ("B" for bolt mounting, "Y/I/N" for bracket mounting)
Terminal options(A,B,C see "Dimensions" for details.)

Customer products are available on request.

Lifetime Diagram



I_A = actual ripple current at 120Hz, I_R = rated ripple current at 120Hz, 105°C
Multiplier of Useful Life as a function of ambient temperature and ripple current load