

GRP

CDT03

◆ SPECIFICATIONS

Items	Characteristics				
Category	—25°C~125°C				
Temperature Range	—25°C~125°C				
Rated Voltage Range	160V~450V DC				
Capacitance Tolerance (20°C/120Hz)	±20%				
Leakage Current(MAX)	I=0.03CV(After 2 minutes) I: Leakage Current(μA) C: Capacitance(μF) V: Rated Voltage(V)				
Dissipation Factor (20°C/120Hz)	Rated Voltage(V)	160~250	350	400	450
	tgδ	0.20	0.25	0.27	0.27
Endurance	After life test with rated ripple current for 5000 hours at 125°C, the capacitors shall meet the following requirement.				
	Capacitance Change	Within ±20% of the initial value.			
	Dissipation Factor	Not more than 200% of the specified value.			
	Leakage Current(MAX)	Not more than the specified value.			
Low Temperature Stability	Rated Voltage(V)	160-250	350-450		
	Impedance Ratio < Z (-25°C)/Z(20°C) > 120Hz	3	6		

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency	50	120	1K	10K	100K
Coefficient	0.50	0.60	0.70	0.80	1.00

◆ FEATURES

Load Life:125°C 5000 hours.

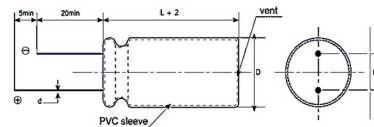
Excellent endurance of high ripple current and high temperature, low ESR,high stability.

Used for LED,LED Driver, Ballast and CFL.

◆ STANDARD SIZE(Rated ripple current: 125°C 100KHz)

Capacitance (μF)	160		200		250		350		400		450	
	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)	Size(mm) D×L	Rated ripple current (mA rms)
1							8×12	65	8×12	72	8×12	82
1.2							8×12	68	8×12	75	8×12	85
1.5							8×14	75	8×14	90	8×14	88
1.8							8×14	85	8×14	95	8×14	90
2.2							8×16	95	8×16	140	8×16	105
2.7							10×16	100	8×16	155	8×16	115
3.3							10×16	120	10×16	180	10×16	120
3.9							10×16	140	10×16	190	10×16	125
4.7	8×12	130	8×12	135	8×14	160	10×16	170	10×16	220	10×16	132
5.6	8×12	150	8×12	155	8×16	180	10×20	200	10×20	220	10×20	176
6.8	8×12	180	8×14	190	8×16	200	10×20	225	10×20	250	10×20	230
8.2	8×12	210	8×14	230	10×16	220	10×20	240	12×20	270	12×20	265
10	8×16	230	8×16	240	10×16	250	10×20	276	12×20	290	12×20	310
15	10×16	300	10×16	320	10×20	360	12.5×25	410	12.5×25	415	12.5×25	410
22	10×20	415	10×20	440	12×20	490	16×25	520	16×25	550	16×25	550
33	12×20	560	12×20	580	12×20	780	18×25	625	18×25	670	18×25	690
47	12.5×25	620	12.5×25	700	16×25	950	18×30	780	18×30	890	18×30	870
68	12.5×25	810	12.5×25	840	18×25	960	22×35	860	22×35	1108	22×35	1015
82	16×25	860	16×25	900	18×25	1180	22×35	1210	22×35	1120	22×35	1080
100	16×25	910	18×25	950	18×30	1210	22×40	1250	22×40	1350	22×40	1200

◆ DIMENSIONS



D±0.5	5	6.3	8	10	12	13	16	18	22
F±0.6	2	2.6	3	5			7.5	10	
d±0.1	0.5	0.5	0.5	0.6			0.8	0.8	