

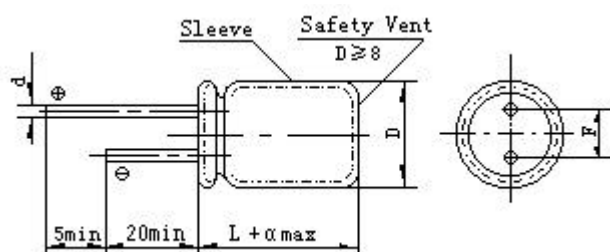
CDT02 Extremely High Ripple Current Series

- Extremely high ripple current
- High reliability withstanding 3000 hours load life at 105℃
- Suited for electronic ballast circuits

■ Specifications

Item	Characteristics						
Operating Temperature Range	-25℃ ~ +105℃						
Rated Voltage Range	160V ~ 400V						
Nominal Capacitance Range	1.0 μF ~ 100 μF						
Capacitance Tolerance	M (± 20%); Q (-10% ~ +30%) (20℃ , 120Hz)						
Leakage Current	I ≤ 0.02C _R U _R (μA) C _R : Nominal capacitance (μF) U _R : Rated voltage(V) (20℃, after 5 minutes)						
Dissipation Factor (Max)	tan δ ≤ 0.12 (20℃ , 120Hz)						
Low Temperature Stability (Impedance Ratio)	Z(-25℃)/Z(+20℃) ≤ 7 (120Hz)						
Load Life	After 3000 hours' application of rated voltage with rated ripple current at 105℃,the capacitor shall meet the following requirement:						
	Capacitance change		Within ± 20% of the initial value.				
	Dissipation factor		Not more than 200% of the initial specified value.				
	Leakage current		Not more than the initial specified value.				
Shelf Life	After storage for 1000 hours at +105℃, the capacitors shall meet the requirement of load life above.						
Rated Ripple Current & Frequency Multipliers	Frequency	50Hz	120Hz	300Hz	1kHz	10kHz	100kHz
	Multiplier	0.3	0.5	0.6	0.8	0.9	1.0
Rated Ripple Current & Temperature Multipliers	Temperature	+50℃	+70℃	+85℃	+105℃		
	Multiplier	2.1	1.8	1.4	1.0		

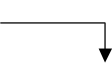
■ Dimensions



												(mm)
D±1.0	6.3	8		10		12.5		16			18	
L	12	12	16	16	20	20	25	25	31.5	35.5	35.5	40
F±0.5	2.5	3.5		5.0				7.5				
d±0.1	0.5	0.6							0.8			
α	1.5			2.0								

CDT02Series

■ Nominal capacitance, rated voltage, rated ripple current and case size table

$U_R(V)$ $C_R(\mu F)$ Item	160		200		250		350		400	
	D×L mm	I~	D×L mm	I~	D×L mm	I~	D×L mm	I~	D×L mm	I~
1.0					8×12	18			6.3×12	18
2.2									8×16	108
3.3	Rated ripple current (mA rms) (105℃,100kHz) 								8×16	108
									8×20	121
4.7			8×12	158	10×16	200			10×20	180
6.8			10×16	230	10×16	240			10×20 12.5×20	220 240
10			10×16	310	10×16	300	10×20	250	10×20 12.5×20	250 270
15			10×20	400	10×16	380			16×25	400
22	10×20	500	10×20	500	10×20 12.5×20	500 600	12.5×20	350	12.5×25 16×25	400 500
33	10×20	500	12.5×20	600	12.5×20 12.5×25	600 670	16×20	500	16×25 16×31.5	600 670
47	12.5×20 12.5×25	600 670	12.5×20	600	12.5×25 16×25	700 780	16×25	650	16×35.5 18×25	750 750
68	12.5×25	750	12.5×25 16×20	750 750	16×25 18×35.5	1000 1200	18×25	800		
100	16×25	1100	16×25 18×20	1100 1100	18×25 18×40	1200 1500				