

GP (CD294B)



- Endurance with ripple current : 105°C 2000 hours.
- Ideally suited for flat design of switching power supply .
- Adapted to the ROHS directive (2002/95/EC).

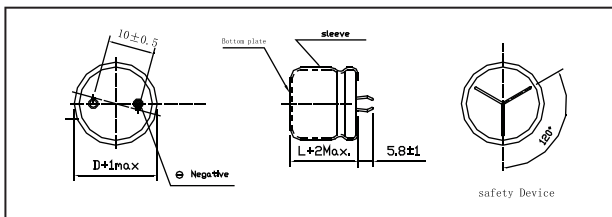
Specifications

Item	Performance Characteristics		
Operating temperature range	-40°C ~ +105°C	-25°C ~ +105°C	
Rated voltage range	160 ~ 250V	315 ~ 400V	
Capacitance tolerance	±20% (120 Hz, +20°C)		
Leakage current	$I \leq 3\sqrt{CV}$ (μA) (at 20 after 5minutes)		
Dissipation factor (tg δ) (+20°C, 120Hz)	U_R (V)	160~400	
	tg δ	0.15	
Temperature characteristics (Impedance ratio at 120 HZ)	U_R (V)	160~250	315~400
	Z-25°C/Z+20°C	3	8
	Z-40°C/Z+20°C	12	-
Load life	After applying rated voltage with specified ripple current for 2000 hours at + 105°C and then resumed 16 hours: Capacitance change : ±20% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤ 2 times Initial specified value		
Shelf life	After storage for 1000 hours at +105°C, U_R to be applied for 30 minutes and then resumed 16 hours Capacitance change : ±15% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤ 1.5 times Initial specified value		

Case size table

Unit: mm

Frequency coefficient



U(V)\(Hz)	50	60	100(120)	300	1K	10K	50K~
160~250	0.81	0.85	1.00	1.17	1.32	1.45	1.50
315~400	0.77	0.82	1.00	1.16	1.30	1.41	1.43

Dimensions

CR(μF)	UR Code	160V	180V	200V	250V	400V	450			
		2C	2K	2D	2E	2G	2W			
47	470					22x20	0.50	25.4x20	0.41	
68	680					25.4x20	0.65	30x20	0.50	
100	101				22x20	0.73	30x20	0.74	35x20	0.61
120	121					35x20	0.81			
150	151		22x20	0.90	22x20	0.90	25.4x20	0.96		
180	181	22x20	0.99							
220	221		25.4x20	1.16	25.4x20	1.16	30x20	1.10		
270	271	25.4x20	1.29		30x20	1.22				
330	331		30x20	1.35		35x20	1.34			
390	391	30x20	1.47		35x20	1.46				
470	471		35x20	1.60						
560	561	35x20	1.74							

Rated ripple current (A, +105°C, 120Hz)