

FP (CD293C)



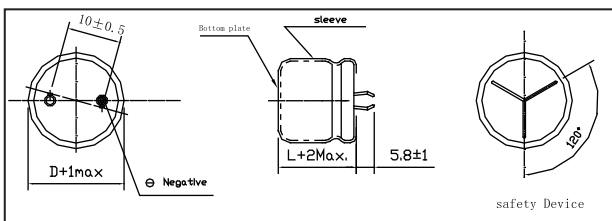
- ◎ 15mm height snap-ins.
- ◎ Ideally suited for flat design of switching power supply .
- ◎ Adapted to the ROHS directive (2002/95/EC).

Specifications

Item	Performance Characteristics				
Operating temperature ran	-40°C~ +85°C				
Rated voltage range	160 ~ 400 V				
Capacitance tolerance	±20% (120Hz, +20°C)				
Leakage current	$I \leq 3\sqrt{CV} (\mu A) 5$ (at 20 °C, after 5minutes)				
Dissipation factor (tg δ) (+20 °C, 120Hz)	<table border="1"> <tr> <td>U_R (V)</td> <td>160~400</td> </tr> <tr> <td>tg δ</td> <td>0.20</td> </tr> </table>	U_R (V)	160~400	tg δ	0.20
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Temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>U_R (V)</td> <td>160~400</td> </tr> <tr> <td>Z-25°C/+20°C</td> <td>4</td> </tr> </table>	U_R (V)	160~400	Z-25°C/+20°C	4
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Load life	After applying rated voltage with specified ripple current for 2000 hours at +85 °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 +85°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	100(120)	300	1K	10K	100K
160~250	0.81	1.00	1.17	1.32	1.45	1.50
400	0.77	1.00	1.16	1.30	1.41	1.43

Dimensions

CR(µF)	Code	U_R 160V		U_R 180V		U_R 200V		U_R 250V		U_R 400V	
		2C		2K		2D		2E		2G	
47	470									22x15	0.50
68	680									25.4x15	0.65
100	101							22x15	0.73	30x15	0.74
120	121									35x15	0.81
150	151			22x15	0.90	22x15	0.90	25.4x15	0.96		
180	181	22x15	0.99								
220	221			25.4x15	1.16	25.4x15	1.16	30x15	1.10		
270	271	25.4x15	1.29			30x15	1.22				
330	331			30x15	1.35			35x15	1.34		
390	391	30x15	1.47			35x15	1.46				
470	471			35x15	1.60						
560	561	35x15	1.74								

Rated ripple current (A,+85°C,120Hz)