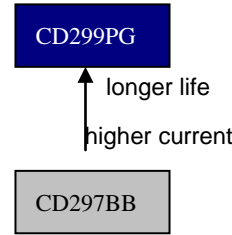


# CD 299 PG SERIES



## 7000h at 105°C

- Extended lifetime at 105°C
- High Ripple Current
- High Professional Industrial Power Supplies



Items	Characteristics	
Operating Temperature Range(°C)	-40 ~ +105	-25~+105
Voltage Range (V)	160~250	315~500
Capacitance Range(µF)	39~2200	
Capacitance Tolerance (20°C,120Hz)	±20%	
Leakage Current (µA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 1.5mA, whichever is smaller C: Nominal Capacitance(µF) V: Rated Voltage(V)	
Dissipation Factor (20°C, 120Hz)	Rated Voltage(V)	160 180 200 250 315 350 400 450~500
	Tan δ(max)	0.15 0.20
Stability at Low Temperature (Impedance Ratio at 120Hz)	Rated Voltage(V)	≤250 315~500
	Z <sub>-25°C</sub> /Z <sub>+20°C</sub>	3 8
	Z <sub>-40°C</sub> /Z <sub>+20°C</sub>	12 -

	Useful Life		Load Life	Endurance Test	Shelf Life
Life Time	9000h	>200000h	7000h	7000h	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 ±20% 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 200% of specified value	Not more than 200% of specified value
Condition:					
Applied Voltage	U <sub>R</sub>	U <sub>R</sub>	U <sub>R</sub>	U <sub>R</sub>	<div style="border: 1px solid black; padding: 5px;">                     After test:                      U<sub>R</sub> = 0                      I<sub>R</sub> = 0                      105°C                      U<sub>R</sub> to be applied for 30min&gt;24h before measurement                 </div>
Applied Current	I <sub>R</sub>	1.4×I <sub>R</sub>	I <sub>R</sub>	I <sub>R</sub> = 0	
Applied Temperature	105°C	50°C	105°C	105°C	

# CD 299 PG SERIES



## Frequency coefficient

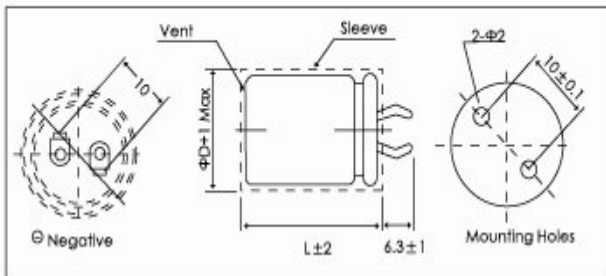
Frequency Rated Voltage(v)	50/60Hz	120Hz	300Hz	1kHz	10kHz	$\geq$ 40kHz
160~250	0.80	1.00	1.17	1.30	1.45	1.50
$\geq$ 315	0.80	1.00	1.16	1.30	1.43	1.45

## Temperature Coefficient

Temperature(°C)	+40	+55	+70	+80	+105
coefficient	2.7	2.5	2.1	1.7	1.0

## Dimensions

mm



## Lifetime Diagram

