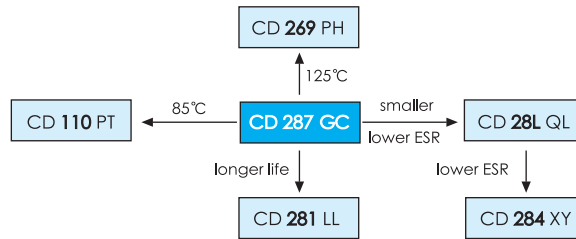


# CD 287 GC SERIES



2000 - 5000h at 105°C

- Low Impedance
- High Ripple Current
- SMPS, UPS

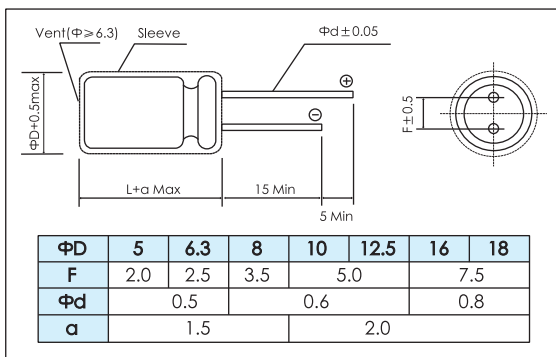


Items	Characteristics																		
Operating Temperature Range (°C)	-55 ~ +105																		
Voltage Range (V)	6.3 ~ 100																		
Capacitance Range (µF)	0.47 ~ 15000																		
Capacitance Tolerance (20°C, 120Hz)	± 20%																		
Leakage Current (µA)	After 2 minutes at 20°C application of rated voltage, leakage current is not more than 0.02CV or 3, whichever is greater. C: Nominal Capacitance (µF) V: Rated Voltage (V)																		
Dissipation Factor (20°C, 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </tbody> </table>	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	Tan δ (max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08
	Rated Voltage (V)	6.3	10	16	25	35	50	63	100										
Tan δ (max)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08											
For Capacitances >1000µF add 0.02 to every 1000µF																			
Stability at Low Temperature (Impedance Ratio at 120Hz)	Rated Voltage (V)	6.3 ~ 100																	
	$Z_{-55°C} / Z_{+20°C}$	3																	

	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	$\Phi \leq 6.3$ : 4000h $\Phi 8 - 10$ : 6000h $\Phi \geq 12.5$ : 10000h	$\Phi \geq 8$ : > 250000h	$\Phi \leq 6.3$ : 2000h $\Phi 8 - 10$ : 3000h $\Phi \geq 12.5$ : 5000h	$\Phi \leq 6.3$ : 3000h $\Phi 8 - 10$ : 5000h $\Phi \geq 12.5$ : 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 Applied Current Applied Temperature	$U_R$ $I_R$ 105°C	$U_R$ $1.4 \times I_R$ 40°C	$U_R$ $I_R$ 105°C	$U_R$ $I_R = 0$ 105°C	$U_R = 0$ $I_R = 0$ 105°C After test: $U_R$ to be applied for 30min >24h before measurement

## Dimensions

mm



## Frequency Coefficient

Cap (µF)	Frequency			
	120Hz	1kHz	10kHz	100kHz
0.47 ~ 4.7	0.40	0.68	0.83	1.00
5.6 ~ 47	0.50	0.76	0.87	1.00
56 ~ 270	0.70	0.85	0.93	1.00
330 ~ 1000	0.80	0.93	0.98	1.00
1200 ~ 15000	0.90	0.95	1.00	1.00

## Temperature Coefficient

Temperature(°C)	+70	+85	+105
Coefficient	1.96	1.68	1.00



