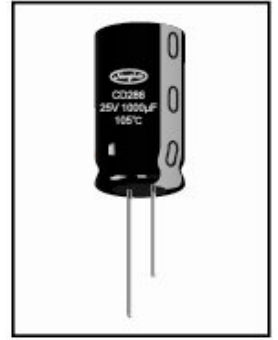
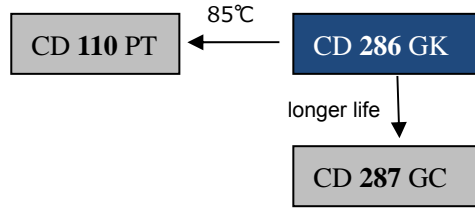


## 2000h at 105°C

- Low Impedance
- Suited for switching power supplies
- High ripple current capability

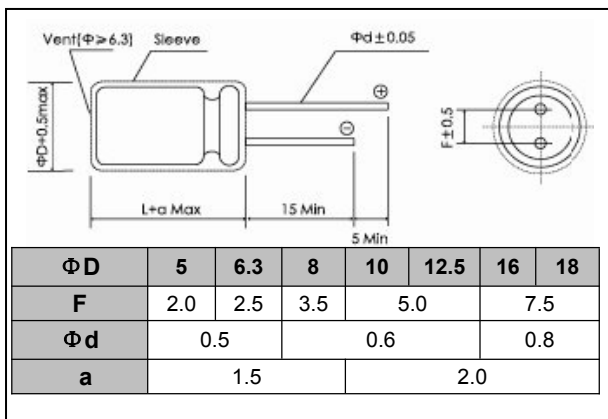


Items	Characteristics																		
Operating Temperature Range(°C)	-55~ +105																		
Voltage Range (V)	6.3~ 100																		
Capacitance Range(μF)	5.6 ~ 18000																		
Capacitance Tolerance (20°C,120Hz)	±20%																		
Leakage Current (μA)	After 2 minutes at 20°C application 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>WV(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> <p>When nominal capacitances is over 1000μF than tanδ shall be added 0.02 to the listed value with increase of every 1000μF</p>	WV(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
WV(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											
Characteristics of Low Temperature	Impedance at -10°C,100kHz<200% of initial specified value at 20°C, 100kHz(Impedance ratio at 100kHz)																		

	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	φ ≤8 :2000h φ >8 :4000h	φ >8:200000h	φ ≤8 :1000h φ >8 :2000h	φ ≤8 :1500h φ >8 :3000h	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 <sub>R</sub> I <sub>R</sub> 105°C	U <sub>R</sub> 1.4 x I <sub>R</sub> 40°C	U <sub>R</sub> I <sub>R</sub> 105°C	U <sub>R</sub> I <sub>R</sub> = 0 105°C	<div style="border: 1px solid black; padding: 5px;">           After test:            U<sub>R</sub> to be applied for 30min&gt;24h before measurement         </div> U <sub>R</sub> = 0 I <sub>R</sub> = 0 105°C

## Dimensions

mm



## Frequency Coefficient

Frequency	120Hz	1kHz	10kHz	100kHz
Cap(μF)				
5.6~180	0.40	0.75	0.90	1.00
220~560	0.50	0.85	0.94	1.00
680~1800	0.60	0.87	0.95	1.00
2200~3900	0.75	0.90	0.95	1.00
4700~18000	0.85	0.95	0.98	1.00

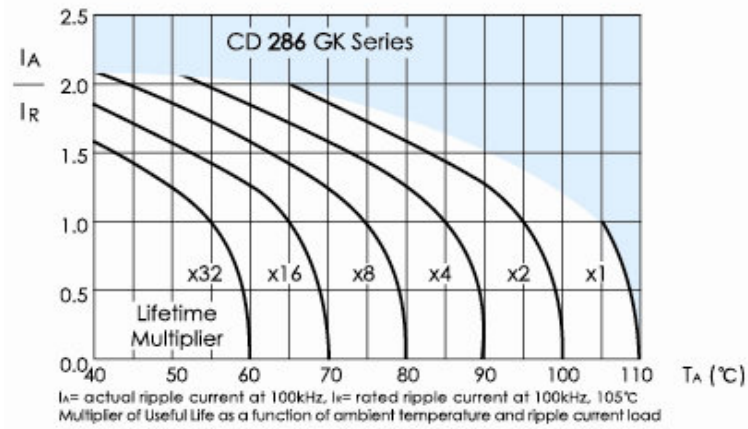
## Temperature Coefficient

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

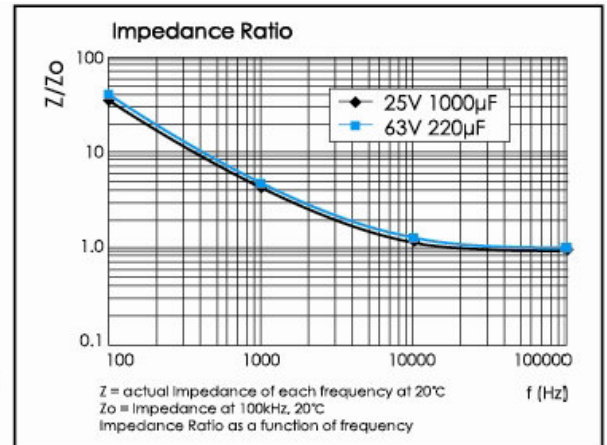




## Lifetime Diagram



## Typical Curves



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