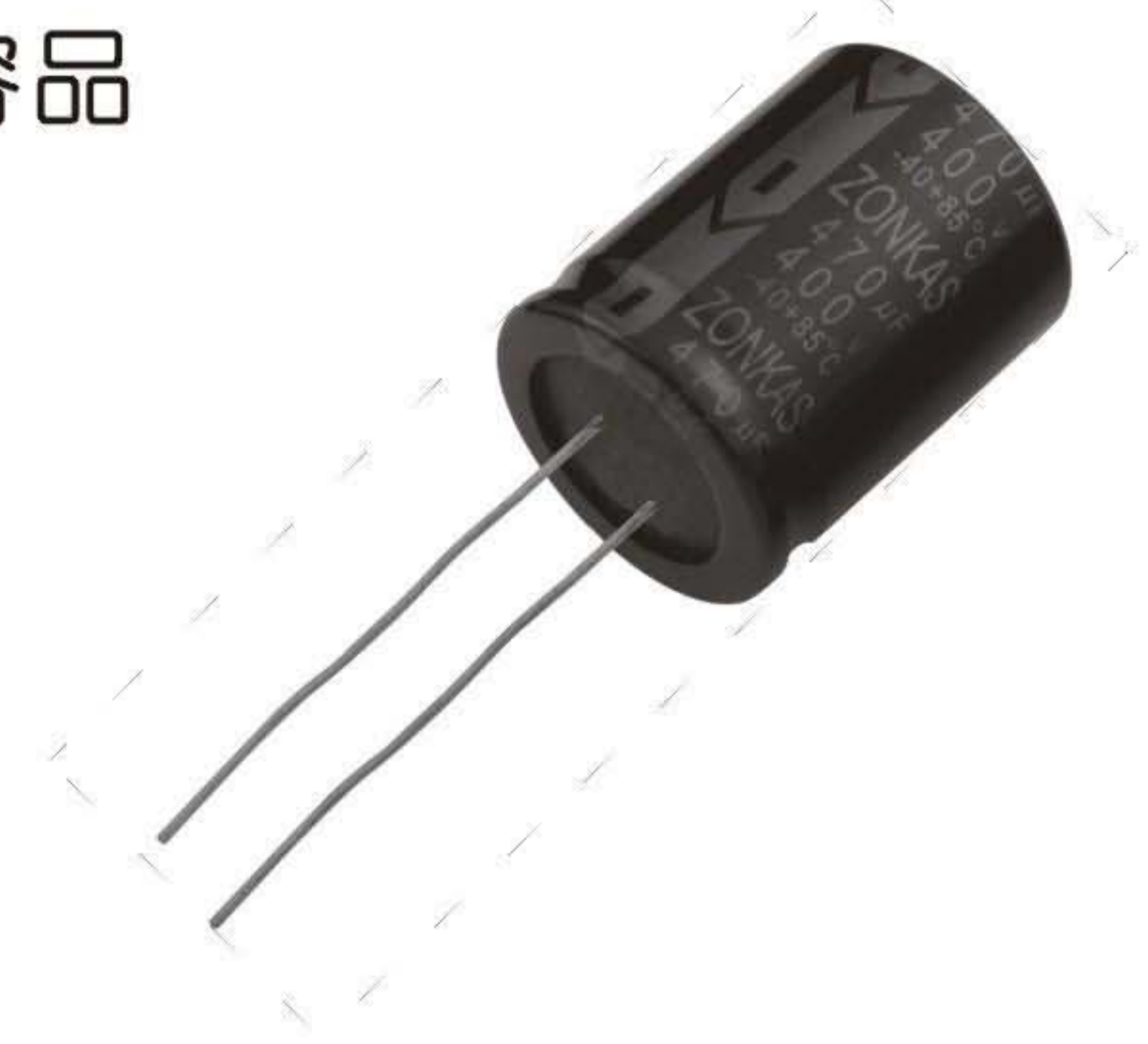


UTR Series High Temperature 125°C 超耐高温型電容量

Features

- The series has guaranteed operating life of 1000 hours at 125°C and also has the widest operating temperature range, -40 to +125°C
- Applications : High reliability equipment, filtering circuit of switching power supply, and industrial control equipment.



Specifications

No	Item	Performance Characteristics																					
1	使用温度範囲 Operating Temperature Range	-40 to +125°C	-25 to +125°C																				
2	定格電圧範囲 Rated Voltage Range	10 to 100 VDC	160 to 350 VDC																				
3	静電容量範囲 Capacitance Range	0.47 to 1000 μF	1 to 100 μF																				
4	静電容量容許差 Capacitance Tolerance	±20%(120Hz, +20°C)																					
5	漏電電流 Leakage Current(+20°C, max)	I ≤ 0.01CV or 2(μA) After 1 minutes whichever is greater measured with rated working voltage applied.	I ≤ 0.02CV (μA) After 1 minute with rated working voltage applied.																				
6	損失角 Dissipation Factor(tanδ)	<table border="1"> <tr> <td>Working Voltage (VDC)</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>D.F. (%)max</td> <td>12</td> <td>10</td> <td>18</td> <td>17</td> <td>6</td> <td>5</td> <td>6</td> </tr> </table>						Working Voltage (VDC)	10	16	25	35	50	63	100	D.F. (%)max	12	10	18	17	6	5	6
		Working Voltage (VDC)	10	16	25	35	50	63	100														
D.F. (%)max	12	10	18	17	6	5	6																
		<table border="1"> <tr> <td>Working Voltage (VDC)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td colspan="3"></td> </tr> <tr> <td>D.F. (%)max</td> <td>6</td> <td>7</td> <td>8</td> <td>10</td> <td colspan="3"></td> </tr> </table>						Working Voltage (VDC)	160	200	250	350				D.F. (%)max	6	7	8	10			
Working Voltage (VDC)	160	200	250	350																			
D.F. (%)max	6	7	8	10																			
		For capacitance > 1000 μF, and 2% per another 1000 μF. (+20°C, at 120Hz)																					
7	高温負荷特性 Load Life	Test conditions Duration time : 1000Hrs Ambient temperature : +125°C Applied voltage : Rated DC working voltage After test requirements at +20°C Capacitance change : ≤ ±15% of the initial measured value Dissipation factor : ≤ 150% of the initial specified value Leakage current : ≤ The initial specified value																					
8	高温無負荷特性 Shelf Life	Test conditions Duration time : 1000Hrs Ambient temperature : +125°C Applied voltage : None After test requirements at +20°C : Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.																					

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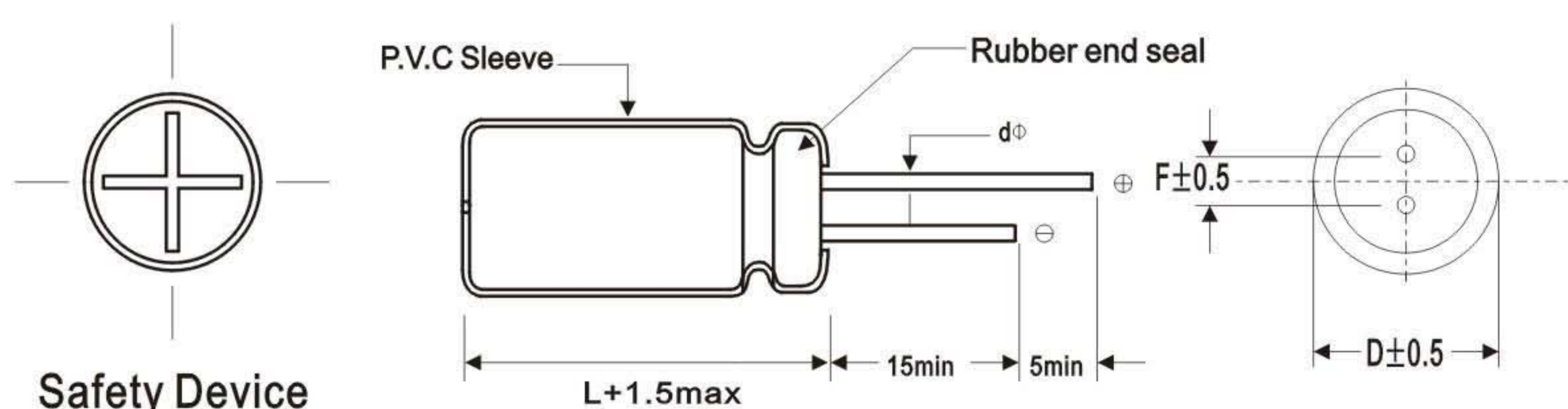
Multiplier for Ripple Current vs. Frequency

CAP(μF)\Hz	50(60)	120	400	1K	10K	50K-100k
CAP ≤ 10	0.8	1.0	1.30	1.30	1.65	1.70
10 < CAP ≤ 100	0.8	1.0	1.23	1.23	1.48	1.53
100 < CAP ≤ 1000	0.8	1.0	1.16	1.16	1.35	1.38
1000 < CAP	0.8	1.0	1.11	1.11	1.25	1.28

Multiplier for Ripple Current vs. Temperature

Temperature °C	45	60	70	85	95	105
Multiplier	1.80	1.50	1.30	1.45	1.20	1.00

Outline drawing:(Unit:mm)



DΦ	5	6.3	8	10	13	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
dΦ	0.5		0.6		0.8		

Safety Device