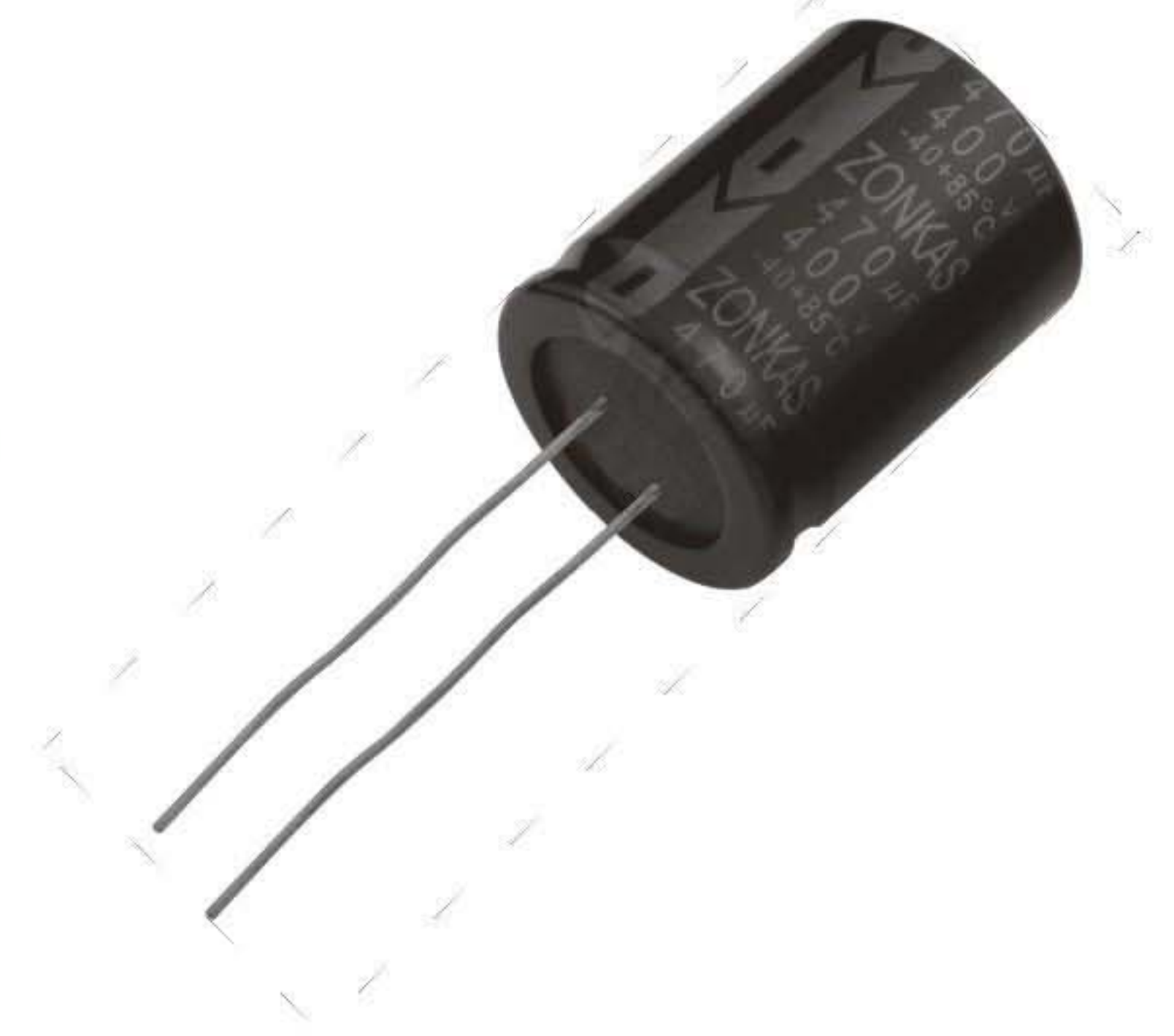


## GIR Series Low Impedance 一般低阻抗標準品

### Features

- Used in communication equipments, switching power supply, industrial measuring instruments, etc.
- Load life 2000 Hrs at 105°C.
- Safety vent construction design.



### Specifications

No	Item	Performance Characteristics	
1	使用温度範圍 Operating Temperature Range	-40 to + 105°C	-25 to + 105°C
2	定格電壓範圍 Rated Voltage Range	6.3 to 100 VDC	160 to 450 VDC
3	靜電容量範圍 Capacitance Range	0.47 to 22000uF	0.47 to 1000uF
4	靜電容量容許差 Capacitance Tolerance	±20%(120Hz, +20°C)	
5	漏電電流 Leakage Current(+20°C,max)	$I \leq 0.01CV$ or $2(\mu A)$ After 2 minutes whichever is greater measured with rated working voltage applied.	$I \leq 0.03CV(\mu A)$ After 1 minute with rated working voltage applied.
6	損失角 Dissipation Factor(tanδ)	Working Voltage (VDC)	6.3 10 16 25 35 50 63 100
		D.F. (%)Max	22 19 16 14 12 10 9 8
6	損失角 Dissipation Factor(tanδ)	Working Voltage (VDC)	160 200 250 350 400 450
		D.F. (%)Max	12 12 12 15 15 17
		For capacitance >1000 μ F, add 2% per another 1000 μ F. (+20°C, at 120Hz)	
7	温度特性 Low Temperature Characteristics (120Hz)	Impedance ratio max. (at:120Hz)	
		Working Voltage (VDC)	6.3 10 16 25 35 50 63 100
		Z-25°C/Z+20°C	4 3 3 3 3 3 2 2
		Z-40°C/Z+20°C	8 6 4 3 3 3 3 3
7	温度特性 Low Temperature Characteristics (120Hz)	Working Voltage (VDC)	160 200 250 350 400 450
		Z-25°C/Z+20°C	2 2 3 5 5 6
7	温度特性 Low Temperature Characteristics (120Hz)	Z-40°C/Z+20°C	3 6 6 6 6 -
8	高温負荷特性 Load Life	Test conditions Duration time :2000Hrs Ambient temperature :+105°C Applied voltage :Rated DC working voltage After test requirements at +20°C Capacitance change :≤ ± 20% of the initial measured value Dissipation factor :≤ 200% of the initial specified value Leakage current :≤ The initial specified value	
9	高温無負荷特性 Shelf Life	Test conditions Duration time :1000Hrs Ambient temperature :+105°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.	

136

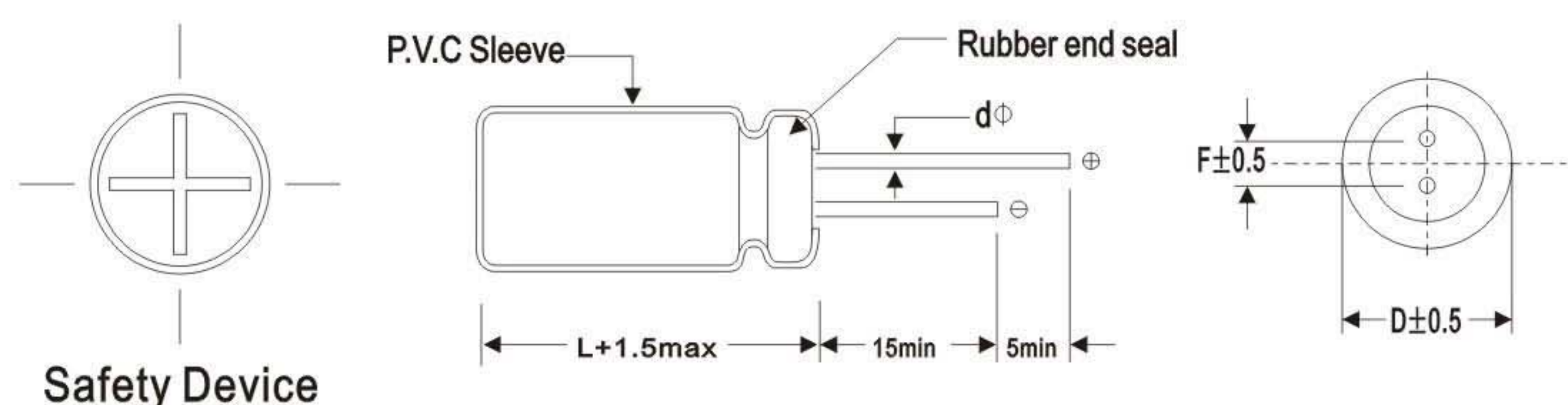
### Multiplier for Ripple Current vs. Frequency

CAP(μ F)\Hz	50(60)	120	400	1K	10K	50K-100K
CAP≤10	0.47	0.59	0.76	0.85	0.97	1
10<CAP≤100	0.52	0.62	0.80	0.89	0.97	1
100<CAP≤1000	0.58	0.72	0.84	0.90	0.98	1
1000<CAP	0.63	0.78	0.87	0.91	0.98	1

### Multiplier for Ripple Current vs. Temperature

Temperature°C	45	60	70	85	105
Multiplier	2.10	1.90	1.65	1.25	1.00

### Outline drawing:(Unit:mm)



Dφ	5	6.3	8	10	13	16	18	22	25
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10	10
dφ	0.5		0.6		0.8		0.8		0.8