

RTA/RPA series Resonant and AC Applications



FEATURES

- Dry type structure
- High frequency
- Low ESR, heavy current
- Self-healing
- Mylar tape/ plastic shell

APPLICATIONS

- Power supply
- Induction heater
- Welding machine
- LC resonance

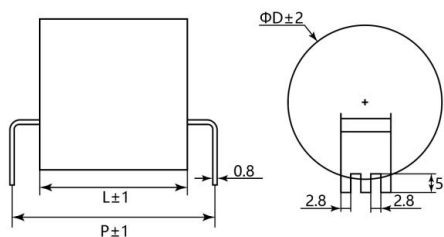
RTA/RPA FOR RESONANT APPLICATION

RTA/ RPA capacitors are designed with insulating polyester / plastic shell with epoxy resin sealing. Its heavy current and high frequency adapting ability suits all kinds of medium and high frequency electronic equipment for LC resonance. Especially for induction heating machine.

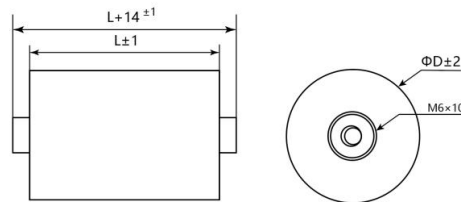
ELECTRICAL CHARACTERISTICS

Capacitance Range:	0.002~6.8 μ F
Operating Temperature:	-40 $^{\circ}$ C~+85 $^{\circ}$ C
Capacitance Tolerance:	\pm 5%(J); \pm 10% (K)
Rated Voltage (U_n):	400~4000 V_{ac}
Test Voltage between Terminal:	2 U_n 10s
Tg θ :	Tg θ \leq 0.0005 (1kHz,20 $^{\circ}$ C)
Insulation Resistance:	$C_n \leq 0.33\mu F$ $\geq 15000M\Omega$
	$C_n \geq 0.33\mu F$ $\geq 10000s$
Max.Altitude:	<2000m
Flame Resistance:	UL 94 V-0
Lifetime Expectancy:	30,000Hours ($U_n \leq 70^{\circ}$ C)

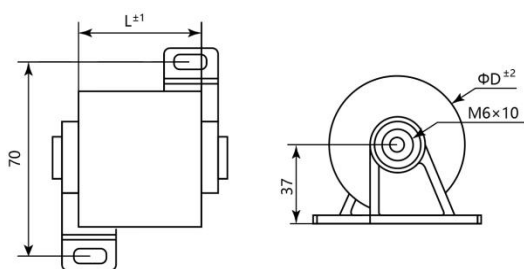
OUTLINE DRAWING



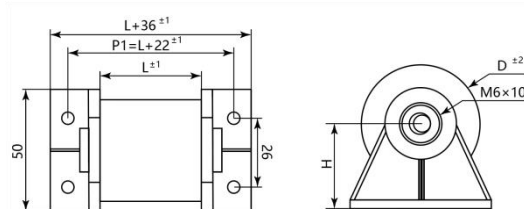
OPTION A



OPTION B



OPTION C



OPTION D

COMMON DESIGN (mm)

Rated Voltage (V)	Cap(μF)	ESR (m Ω)	ESL (nH)	I _{rms} (A)	I _{peak} (A)	Dimensions (mm)	
						L	D
1200V _{dc} (500V _{ac})	0.47	10	20	40	470	32	45
	1	6.4	18	40	1000	32	46
	2	3	18	50	2400	37	54
	2	3	25	60	2000	40	65
	2	3	20	45	2000	40	48
	4	2	30	60	4000	37	67
	4	2	25	50	3200	40	53
	5	1.6	24	60	4000	40	63
	5	1.6	30	50	3000	47	56
1600V _{dc} (600V _{ac})	0.68	8	18	40	680	46	32
	1	6.4	23	50	1000	55	32
	2	3	20	50	2400	54	37
	2	3	25	45	2000	49	40
	4	2	30	60	4000	68	40
	5	1.6	28	50	4000	55	60
	5	1.6	30	60	4000	67	60

Axial type AC Capacitors



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Rated Voltage (V) U_n	Cap(μ F) C_n	ESR (m Ω)	ESL (nH)	I_{rms} (A)	I_{peak} (A)	Dimensions (mm)	
						L	D
2000V _{dc} (750V _{ac})	0.47	10	18	40	470	45	32
	1	6.4	25	50	1000	54	37
	2	3	30	50	2000	58	40
	3	2.5	25	55	2400	63	47
	4	2	30	55	3200	59	60
3000V _{dc} (1200V _{ac})	0.1	30	25	40	150	44	44
	0.22	18	30	50	300	53	44
	1	6.4	30	75	1000	77	44

* CABO reserves the right to make changes without further notice to any products herein to improve reliability, function or design.

* Other values and dimensions are available on request.

RELATED CAPACITOR SERIES



CABO is a leading brand of high reliability capacitors, providing specifically designed solutions to meet the reliability needs of industrial, military, medical and specialized applications worldwide.

As a well-known brand of China, CABO capacitors are among the world's most reliable component. Focus on High-End global markets and High reliability request fields, providing customization services. With world-class design, testing and manufacturing facilities in China, enable the quick turn-around for fast and mass delivery worldwide.

Our extensive custom design and development capabilities coupled with standardized mass production capacity offerings allow us to be a competitive option for power electronics industry.