CABO

STA series Snubbering and High pulse application



FEATURES

- Dry type structure
- High pulse current
- Low inductance
- Self-healing
- Transition metal layer

APPLICATIONS

- IGBT snubbering
- Frequency inverter/Welding machine
- Solar/wind inverter
- Switching Power supply
- Induction heater machine.

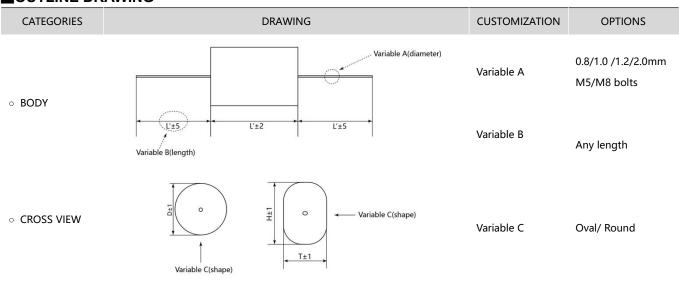
STA SERIES AXIAL CAPACITORS

STA series axial leaded film capacitors have polypropylene film and dual metallized electrodes for both self healing properties and high peak current carrying capability (dV/dt). This series features low ESR characteristics, excellent high frequency and high voltage capabilities. Widely used for snubber, IGBT and semiconductor power circuit.

ELECTRICAL CHARACTERISTICS

Capacitance Range:	0.001-10µF
Operating Temperature:	-40 $^{\circ}\text{C}$ ∼+105 $^{\circ}\text{C}$ * (Default value 85 $^{\circ}\text{C}$ - derated using at 105 $^{\circ}\text{C}$)
Capacitance Tolerance:	±5%(J); ±10% (K)
Rated Voltage (U _n):	630~3000V _{dc} (380V _{ac} ~2000V _{ac})
Test Voltage between Terminal:	1.5~1.75U _n 60s
Dissipation factor:	Tgθ≤0.0008(10kHz, 20°C)
Leads:	Pins, tinned copper lugs, wire
Lifetime Expectancy:	≥100,000Hours (Un≤70°C)

OUTLINE DRAWING





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■COMMON DESIGN

Rated voltage	Capacitance	Dimensions (mm)			Weight	
	(µF)	L	Т	Н	D	(g)
630V _{dc} /380V _{ac}	0.22	30	10	17		5
	0.22	29			12	5
	0.45	30	16	23		10
	1.0	32	20	28		15
	1.0	34			20	16
	6.8	57	33	46		77
1200V _{dc} /600V _{ac}	0.1	30	8	14.5		3
	0.47	32	17	23		11
	0.47	34			21.5	11
	1.0	37	22.5	30.5		22
	3.0	57	28.5	37.5		53
1700V _{dc} /650V _{ac}	0.1	30	13	19.5		7
	0.47	37	17	26.5		16
	0.47	39			26.6	18
	1.0	37	27	36.5		32
	3.0	57	33.5	46		76
2000V _{dc} /700V _{ac}	0.22	44			24	19
	0.47	37	22	31.5		23
	1.0	57	23	32.5		38
3000V _{dc} /800V _{ac}	0.01	40	7	13.5		4
	0.047	40	11.5	17.5		7
	0.1	40	16.5	26		16
	0.1	40			22	16

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

■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.

^{*} Other values and dimensions are available on request.