

## Resonant Capacitor C43



### Characteristics

- Plastic shell encapsulation, epoxy resin sealed
- Tinned copper wire, small size, easy installation
- High voltage resistance, small dissipation factor ( $tg\delta$ )
- Low ESL and ESR, low temperature rise
- High pulse current, high  $dV/dt$ , high stability, self healing

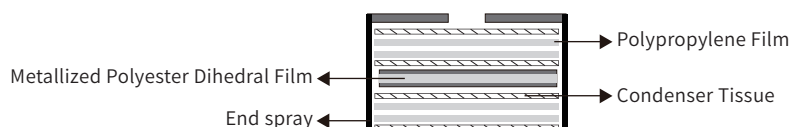
### Application

- Widely used in series circuits or parallel resonant circuits of power electronic devices.
- Also applied to the peak voltage of the switching device in power electronics, peak current absorption protection.

### Technical Data

• Reference Standard	GB/T 17702 IEC 61071 GB/T 12747
• Operating Temperature Range	-55°C~+85°C max:+105°C
• Capacitance Range	1000pF~4700pF at 20°C, 10kHz
• Rated Voltage	3000VAC
• Capacitance Tolerance	±5% ±10%
• Withstand Voltage	$V_{t-t}$ : 2.0UN 10s 20°C
	$V_{t-c}$ : 6000VAC&9000VDC 50Hz 60s, 20°C
• Dissipation Factor	$tg\delta \leq 80 \times 10^{-4}$ at 20°C, 100kHz
• Frequency	100kHz~10MHz
• Insulation Resistance	$R \geq 100000M\Omega$ , at 500VDC, 20°C, 60s
• Explosion-proof Level	P2
• Life Expectancy	100000hrs ( $U_n \theta_{hotspot} \leq 85^\circ C$ )

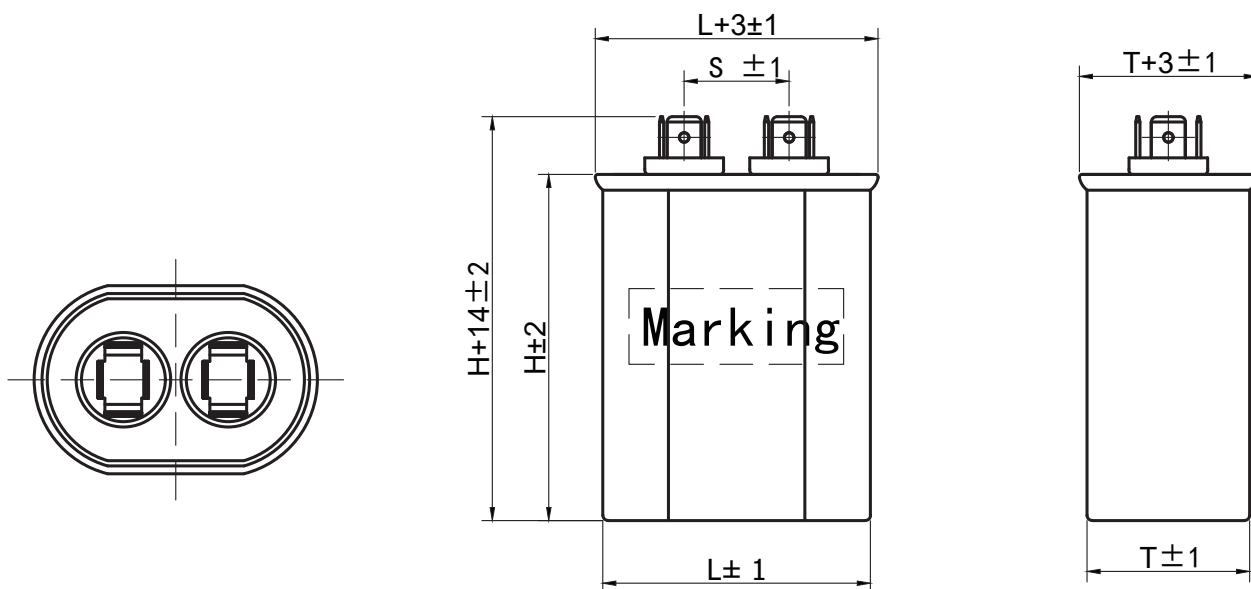
### Construction Diagram



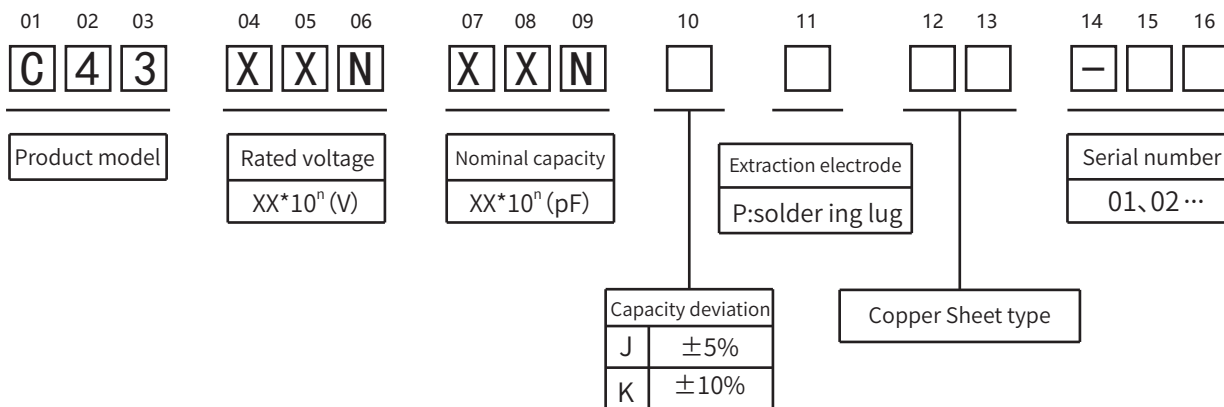
C43

Resonant Capacitor

Product Shape



Product Coding



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## Resonant Capacitor

Part Number	CAP (pF)	Dimension (mm)			
		L	T	H	S
3000VAC					
C43302102K●●●●●	1000	51	31	66	20
C43302122K●●●●●	1200	51	31	66	20
C45302152K●●●●●	1500	51	31	66	20
C43302182K●●●●●	1800	51	31	66	20
C43302222K●●●●●	2200	51	31	66	20
C43302272K●●●●●	2700	51	31	66	20
C43302332K●●●●●	3300	51	31	66	20
C43302392K●●●●●	3900	51	31	66	20
C43302472K●●●●●	4700	51	31	66	20

The above table / graphics are for reference only, subject to the actual product (unit: mm)