



CT36 Series, Three-phase AC Filter Capacitor 400VAC-1400VAC

Features

- Metallized polypropylene film, Non inductive
- Low self-inductance, Excellent self-healing property
- Low loss, Small inherent temperature rise
- Compact size, Long life time
- Three-phase, dry type, metal case filled with resin

Applications

- Used in AC filter circuits, improve power factor
- Power electronics equipments, UPS power supply
- Wind power and Solar power

Technical Specifications

Specifications	Reference value
Rated voltage	400VAC-1400VAC
Rated capacitance	3x9 μ F-3x500 μ F (± 5 , $\pm 10\%$)
Working & Storage temperature	-40 $^{\circ}$ C ~ +85 $^{\circ}$ C
Test voltage between terminals	1.5Urms (50HZ , 10s @20 $\pm 5^{\circ}$ C)
Test voltage terminals to case	U _{peak} \leq 1300V, 3000VAC (10s, 50Hz) U _{peak} > 1300V, 1.5U _{peak} + 1000VAC (10s, 50Hz)
Dielectric dissipation factor	$\leq 2 \times 10^{-3}$ @100Hz, 25 $^{\circ}$ C $\pm 5^{\circ}$ C
Life expectancy	100,000 hours [$\Theta_{max}(\text{hotspot}) \leq +70^{\circ}$ C]
Insulation Resistance	$\geq 10\,000s$ (25 $^{\circ}$ C, 100V, 1min)
Maximum working altitude	2000m
Cooling mode	Natural cooling
Internal connection	Δ triangle connecting

Three-phase AC Filter Capacitor

AC Filter Capacitor

Metallized polypropylene film capacitor