

Type PPH - Double Metallized Polypropylene Film Capacitors

85°C / 85% RH , 2000h @ Vr, AEC-Q200 Qualified

Type PPH film pulse capacitors are designed for high-performance automotive and industrial applications. PPH is constructed with double-sided metallized polypropylene film encapsulated with epoxy resin in a plastic box, with 2 tinned copper wires. The PPH series is suitable for harsh environmental conditions and is qualified in accordance to automotive-grade electrical and mechanical testing per standard AEC-Q200. They are specialized for handling high dV/dt (voltage change rate) and high ripple currents.

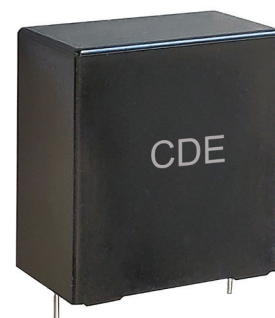
HIGHLIGHTED CAPABILITIES:

- High ripple current
- Self-healing property, Low losses
- Small inherent temperature rise
- High contact reliability
- Operating temperature range: -55°C to +105°C
- Lead Space (Pitch): 15mm ~ 37.5mm
- Suitable for harsh environmental conditions
- THB 2000H - 85°C 85%RH, 2000 Hours, UNDC
- AEC-Q200 Qualified

SPECIFICATIONS:

Capacitance Range	0.001 μ F to 4.7 μ F
Capacitance Tolerance	$\pm 10\%$, with $\pm 5\%$ available
Voltage Range	630 to 2000 Vdc
Operating Temperature	-55°C to +105°C
Life Expectancy	100,000 hours (U_R , $\Theta_{hotspot}=85^\circ\text{C}$)
THB Rating	85°C / 85% RH, 2000h @ Vr, AEC-Q200 Qualified

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TYPICAL APPLICATIONS:

- Widely used in snubber and silicon-controlled rectifier (SCR and IGBT) and SiC (MOSFET) commutation circuits.
- Suitable for applications with high frequency, high current, high voltage, and high temperature applications like automotive powertrains, charging systems, DC-DC converters, and on-board electronics.