



IGBT Snubber Capacitors

PCPW 237 SERIES

IGBT Snubber Capacitors



KEY TECHNOLOGY

- ❖ High CV product (0.47uF to 10uF ; 850V to 1250V)
- ❖ Long useful life time (>100,000h, at U_{NDC} and 70°C)
- ❖ High ripple current capabilities (up to 25A)
- ❖ Reduce or eliminate voltage and current spikes
- ❖ High pulse strength (dV/dt up to 800V/us)
- ❖ Low-inductance construction (Low-ESL)
- ❖ Low ESR

APPLICATION

- ❖ Renewable energy sources such as solar inverter / wind-turbine inverter
- ❖ On-board chargers for hybrid electrical vehicles
- ❖ Industrial and high-end power supplies
- ❖ Direct mount on IGBT modules

QUICK REFERENCE DATA

Dielectric	Metallized polypropylene
Capacitance range	0.47uF to 10uF
Capacitance tolerance	5% / 10%
Terminals	Tinned coated copper
Rated voltage range	850Vdc / 1000Vdc / 1250Vdc
Temperature range	-40°C ~ +105°C
Life time expectancy	100,000 hours at VR , 70°C
Reference	IEC 61071
Potting & Encapsulation material	Qualified in accordance with UL94V-0