

Automotive Grade Film Capacitors ECQUA / ECWFG Series

ECQUA / ECWFG metallized polypropylene film capacitors contribute high safety and high reliability into a wide field of applications with high requirements on the components. In addition to typical automotive applications like smoothing, filter or snubber circuit of all EV, also Industrial use like inverter circuit of solar power generation benefits from the advantages like flame-retardant plastic case and non-combustible resin.



Overview

- High safety by built-in fuse function
- High thermal shock resistance
- Long life time thanks to high humidity-resistance
- Small case sizes
- Reduced risk of flammability by using flame-retardant plastic case and non-combustible resin

Safety & reliability for any application



Automotive

- On board charger
- AC/DC & DC/DC converter
- DC charging station



Industrial

- Electric air conditioner
- PV inverter
- Power supply



Appliances

- Lighting
- Power supply
- Microwave oven

Key Features

- Rated voltage 275 VAC (ECQUA) / 1100 VDC (ECWFG)
- 0.1 μ F to 4.7 μ F (ECQUA) / 1 μ F to 5 μ F (ECWFG)
- -40°C to 110°C, ECWFG max. 125°C for limited time
- Failure mode open circuit
- AEC-Q200 compliant

Fuse function at a glance

Thanks to a original Panasonic in-house metallization process, ECQUA / ECWFG series offer a fuse mechanism function that leads to a stable capacitance level over lifetime and a high reliability of the application.