

Hybrid Capacitor ZT Series

Panasonic
INDUSTRY



Capacitors for high temperature and high current capability applications

Hybrid capacitor's ZT Series is a further step in miniaturization of components, e.g. for $\varnothing 10 \times L 10.2 \text{mm}$ to $\varnothing 8 \times L 10.2 \text{mm}$ the ripple current performance compared to ZC series has increased by 75% to 100%. ZT offers a high endurance rating of 4000 hours @ 125°C and high ripple current values of 2,4A to 3,5A with improved ESR performance. The high ripple current characteristics in miniaturized body can contribute to reduce the number of required capacitors on the PCB. Adoption of ZT series in DC/DC converter applications decreases the PCB area up to 50% when compared to ZC series. Being AEC-Q200 compliant ZT series ensures optimal quality and reliability.

Key Features

- Rated Voltage of 25 ~ 63VDC
- Endurance rating 4000 hours @ 125°C
- 30G Vibration Proof parts available
- Higher Ripple current up to 3,5A
- AEC-Q200 compliant
- Capacitance 33 μF ~ 330 μF
- ESR best in class



Industrial / Communication

- DC/DC Converter
- AC/DC Converter



Automotive

- Pump
- EPS
- ADAS



Power Supply

- DC side of Inverter circuit
- DC side of Rectifier circuit



For further information, please contact capacitor@eu.panasonic.com