

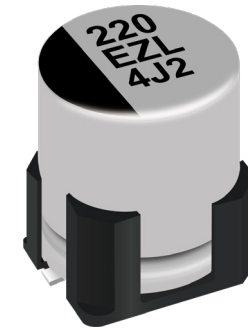
# IN Your Future

## Hybrid Capacitor

### ZL series

Large capacitance in small case size hybrid capacitor

Panasonic Hybrid capacitor ZL series (SMD, high temp. reflow) offers the highest capacitance in the industry in 5 sizes from  $\varnothing 5 \times 5.8$  to  $\varnothing 10 \times 10.2$ mm. The lifetime guarantee is double specifications: 125°C 4000h and 135°C 4000h (135°C 2000h for  $\varnothing 5$  to  $\varnothing 6.3$  products). AEC-Q200 compliant with higher ripple current and lower ESR, catering to diverse applications.



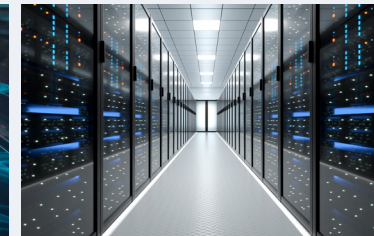
### Key Features

- Space saving for capacitor mounting areas
- Rated voltage of 25V & 35VDC
- Endurance rating with double spec of 125°C 4000h and 135°C 4000h (F, G size) / 135°C 2000h (C, D, D8 size)
- AEC-Q200 compliant
- Higher ripple current up to 3.4A (at 125°C)
- Low ESR (max 40%, lower ESR than standard series)
- Temperature range of -55 to 135°C
- Capacitance 47 to 680 $\mu$ F
- Size (diameter x height): 5x5.8 to 10x10.5mm
- 30G vibration-proof parts available



#### Automotive

- Pump
- ADAS
- Cooling fan
- ECU
- EPS
- ZCU (Zone Control Unit)



#### Communication Infrastructure

- DC/DC converter for base station
- AC/DC converter for server motor inverter (Robotics etc.)
- Router



#### Power Supply

- DC side of inverter circuit
- DC side of rectifier circuit

[Click here for more information](#)

[For more details, please contact capacitor@eu.panasonic.com](mailto:capacitor@eu.panasonic.com)

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