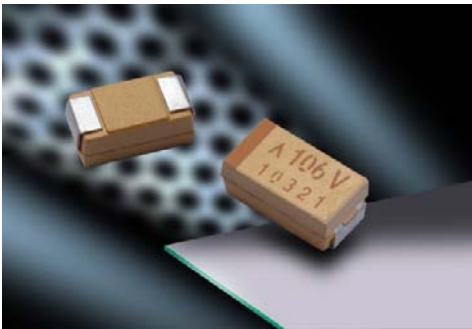




Polymer Capacitors

AVX offers highest rated voltage, smallest case size and highest Joules per cc SMD polymer capacitors in the market.



TCJ Series

- AVX has achieved the 125V milestone allowing the replacement of bulky aluminum cans, future development includes the 150V device
- Very good reliability with failure rate 1%/1000hrs at 85° C and rated voltage
- Low ESR and low voltage derating rules allow usage in applications up to 100V
- Primary applications: computers, telecommunication devices, DC/DC converters, and LED drivers



F38 Series

- Innovative undertab construction offers maximum cap and low ESR/ESL
- 0805 and 0603 case sizes allow drop-in replacement of MLCC to address the DC Bias and noise issues of the ceramic dielectric.
- CV range: 2.2-100 μ F / 4-10V
- Primary applications: Tablet PC, smart phones, DC/DC converters, wireless modules, and portable game machines



TCR Series

- Designed for High-Rel applications
- Very good reliability of 0.5%/1000hrs
- Low ESR
- CV range: 0.47-100 μ F / 10-63V
- Temperature range -55/+105° C
- Primary applications : aerospace, military, high-rel DC-DC converters

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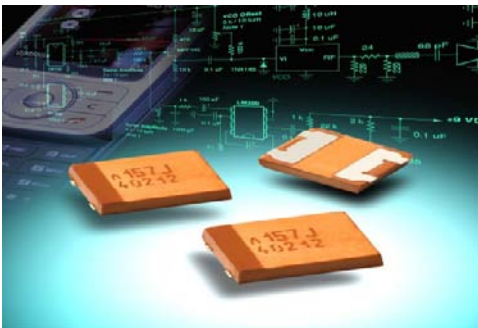
Polymer Capacitors

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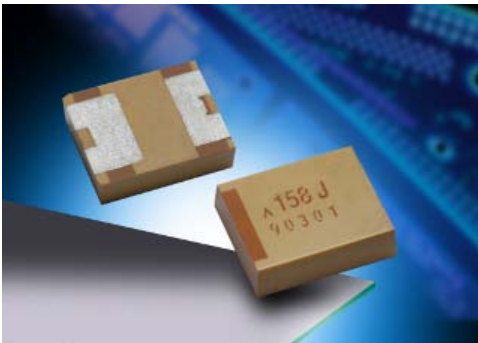
TCQ Series (Release in July/Aug.)

- Robust design for automotive applications
- Reliability of 1%/1000hrs
- 85° C/85%RH, Ur 1000 and 500 hours
- -55 to +105° C/125° C operation temperature
- Full voltage range: 2.5-35V
- DCL 0.1 CV



TCN Series

- Undertab construction allows highest CV
- Reliability 1%/1000hrs @ U_R
- Low profile solution
- CV Range: 4.7-1000µF / 4-35V
- Temperature range -55/+105° C



J-CAP Series (Release in July/Aug.)

- Highest energy per volume (Joules/cc)
- Specifically designed for SSD applications
- Undertab terminations layout to achieve highest CV
- Low profile case sizes
- High PCB assembly density
- High capacitance in smaller dimension

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