

VJ HIFREQ Surface-Mount Multilayer Ceramic Chip Capacitors

Ultra Low ESR MLCCs for High Frequency Applications

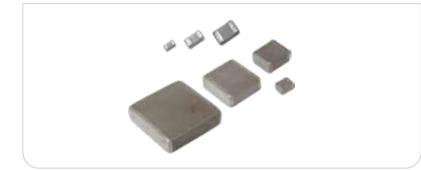


ADVANTAGE

Vishay capacitors handle more power compared to competitor devices of the same design, in addition to having lower ESR

KEY PRODUCT FEATURES

- ✓ Package sizes: 0402, 0505, 0603, 0805, 1111, 2525, and 3838
- ✓ Ideal for all types of high frequency applications, including RF and microwave instruments, base and small cell stations, medical instrumentation, and military devices



RESOURCES















The DNA of tech.

MARKET AND APPLICATIONS

800 🔇

CONNECTIVITY

- Base stations
- Small cell stations
- Broadband communication
- Wireless devices
- Filter circuits

MEDICAL

- Coils and generators
- Capital equipment (MRI, CT)
- Instrumentation
- Handheld (RF ablation)

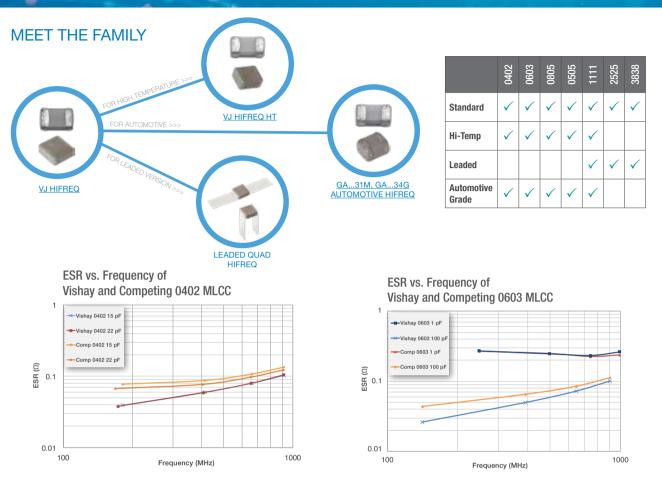


- Communication systems (radio)
- Radar systems
- Matching networks
- DC blocking

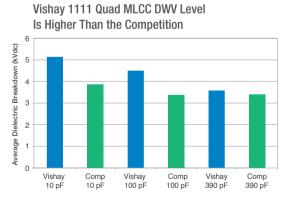
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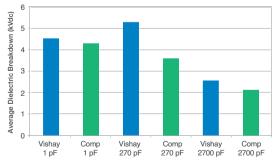
VJ HIFREQ MULTILAYER CERAMIC CHIP CAPACITORS



These charts show an ESR comparison of Vishay capacitors in both 0402 and 0603 body sizes against similar competitive parts over a set frequency range. The Vishay MLCC's have a significantly lower ESR value in this specific frequency range.







The charts above show the average dielectric breakdown voltage comparison of Vishay capacitors in comparison to competing parts in the 1111 and 2525 case sizes with different capacitance values. Vishay parts exceed the comparison parts performance on average.

Thermal imaging shows Vishay MLCC surface temperatures are equivalent or cooler than the competition while continuous power is applied. <u>Send us a sample request</u>!



www.vishay.com