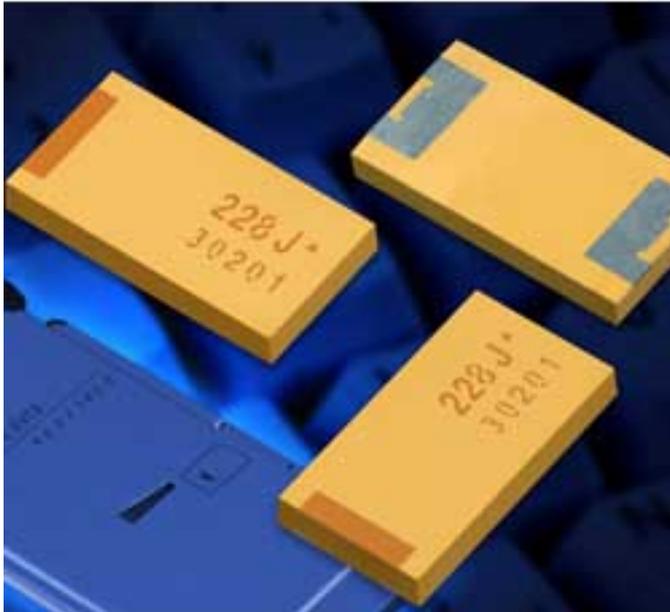


Capacitor series features a low ESR of 55m?



AVX Corporation has expanded its industry-proven low profile, high capacitance PulseCap tantalum capacitor series to include a 3300 μ F/ 4V rated device with a low ESR of 55m?. The PulseCap Series is designed for applications such as PCMCIA/USB wireless express cards where bulk capacitance is needed to boost transmitter power, as well as power back-up capacitors in solid state drives.

The PulseCap Series capacitors feature the 'undertab' termination style, where traditional 'J' leads are replaced by terminations that do not protrude outside of the outline of the case. The undertab style increases volumetric efficiency and allows parts to be positioned closely together, delivering significant space savings. The Pulsecap Series also includes devices with voltage ratings up to 10V. The 2200/1500 μ F / 6.3V PulseCap capacitors are available in two different case sizes: four (7.3 x 6.3 x 2.0mm) and six (14.5 x 7.5 x 2.0mm).

"The advanced PulseCap Series capacitors provide true surface mount devices that save more space on a PCB, offer excellent surge robustness, and have the ability to withstand lead-free reflow process assembly," said Dan Lane, marketing manager at AVX.

The addition of the 3300 μ F/ 4V version completes the PulseCap family of 2mm low profile, large case size capacitors. However, new PulseCap versions are currently in development and will employ a conductive polymer as a second electrode, which results in a safer, reduced-ignition failure mode and even lower ESR. These new capacitors will be extremely robust in preventing overloading and thermal runaway. Samples of the new devices will be available during the first half of the 2011.

PulseCap Series capacitors are RoHS compliant and capable of withstanding a

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soldering profile of 3x reflow at 260°C. Operating temperature range is -55°C to +125°C. Other applications include wireless data cards, solid state drivers, smart metering and sensors.

The PulsCap Series has a typical lead time of 20 weeks.

For more information, contact AVX at One AVX Boulevard, Fountain Inn, S.C. 29644; by calling 864-967-9343, or on the Web at www.avx.com [1].

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Links:

[1] <http://www.avx.com>