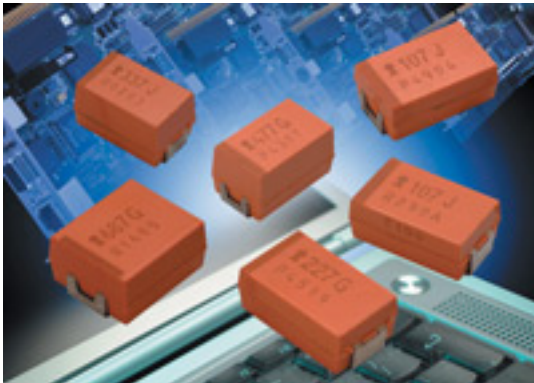


## Capacitor Technology



A new capacitor technology, OxiCap<sup>®</sup> from AVX offers a host of environmental advantages while delivering high performance. These devices use Niobium Oxide which, unlike Tantalum is cheap and readily available <sup>1</sup> yet they can be manufactured on existing standard tantalum processing lines. One of the key advantages of the NbO technology is its non-burn characteristics, which mean that failed devices are guaranteed not to burn up to the rated voltage. OxiCap capacitors exhibit reliability figures of 0.2% per 1000 hours, 2x to 5x better than comparable Tantalum products, while remaining comparable on temperature stability, frequency response and electrical parameters. Other features of these capacitors include: total traceability; reduced voltage derating; temperature rating up to 125<sup>°</sup>176 C; rated voltage of under 10 V and EIA case sizes that are the same as Tantalum devices.

AVX Corporation

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<http://www.wirelessdesignmag.com/product-releases/2004/05/capacitor-technology>