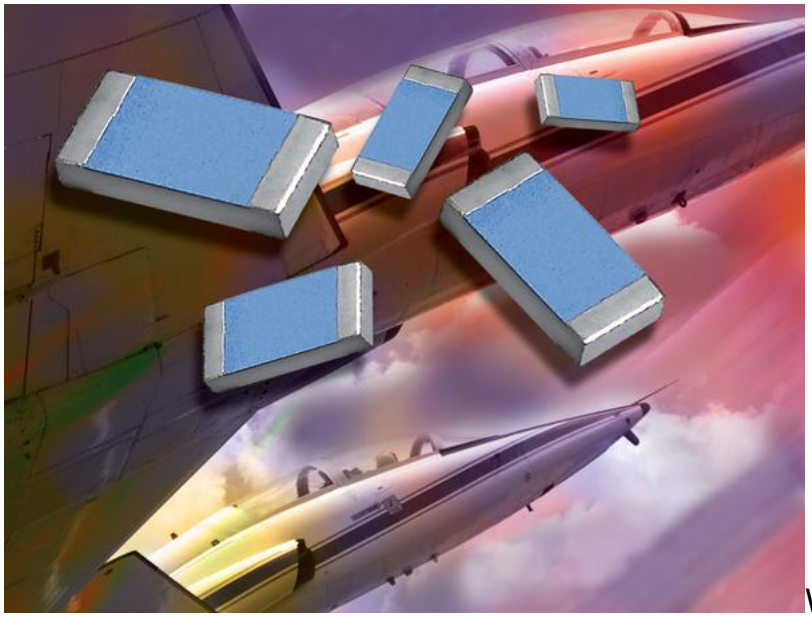
Surface-mount precision foil resistors available in five sizes



Wilbrecht LEDCO, Inc., announces that it is adding surface-mount precision foil resistors to its product line.

Wilbrecht LEDCO is responding to the growing demand for surface-mount products by making models VSM and VSMP (Z-Foil) available to its customers. These resistors are available in five different sizes (between 0805 and 2512) and are constructed to consistently meet strict low temperature coefficients (TCR) and tight absolute tolerances. Bulk Metal® Foil resistors supplied by Wilbrecht LEDCO offer a TCR of ±0.2 ppm/°C over the range −55°C to +125°C and resistance tolerance to 0.01%. The resistors offer load life stability to ±0.005% at 70°C, thermal stabilization time <1 s (nominal value achieved within 10 ppm of steady state value), and electrostatic discharge (ESD) at least to 25 kV.

Bulk Metal Foil resistors are not restricted to standard values, but can be trimmed to any “as required” value. For example, a resistor can be supplied as readily with a value of 10K073 as with a standard value of 10K. The resistors’ tight tolerances and high stability also have the advantage of enabling longer intervals between calibrations of the circuit; they, therefore, serve to lower operating costs. The enhanced reliability of the in-circuit reference resistors provide more dependable equipment for several applications, such as military, avionics, deep-space probes, automatic test equipment, sense and measurement equipment, medical equipment and high-end audio equipment.

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[1] http://www.wilbrechtledco.com/