State of the Art, Inc. 0404 Thin Film Chip Resistor Standard Grade, Surface Mount, Solderable



FEATURES

- Tolerances to ± 0.1%
- · Operating temperature range : -55° C to +150° C
- For high-density hybrid circuits where space is at a premium
- TCR's to ± 25 ppm
- Made with the same materials and process as our MIL-PRF-55342 "S" level qualified chips
- Delivers greater power handling capability with lighter weight construction

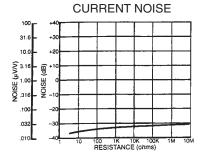
PERFORMANCE CHARACTERISTICS

Resistance Range Tolerances Maximum Power Maximum Voltage

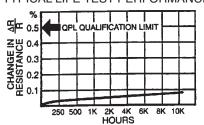
0.1%, 0.25%, 0.5%, 1%, 2%, 5%, 10% 75 mW 40 Volts

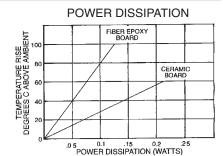
ENVIRONMENTAL PERFORMANCE (1)

(1) Typical resistance change, the maximum is the same as MIL-PRF-55342. Test methods are per MIL-PRF-55342.

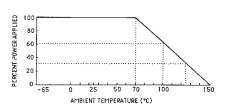


TYPICAL LIFE TEST PERFORMANCE





POWER DERATING



PART NUMBERING

S0404AA 150 J H W

Termination Material W: Gold B: Pretinned Solder over Nickel E: ±25 ppm H: ±50 ppm K: ±100 ppm **TOLERANCES** B: 0.1% C: 0.25% D: 0.5% F: 1% G: 2% J: 5% K: 10% M: 20%

RESISTANCE VALUE

Three or four digits are used with all leading digits significant. Four digits are used for 1% tolerance or lower, otherwise three digits are used. The last digit specifies the number of zeros to add. The letter "R" is used to represent the decimal for fractional ohmic values. Example: 5R6 is 5.6 ohms.

Substrate Matieral A: Alumina Ceramic

Termination Style A: Top sided with Bottom Isolated C: Wraparound

PACKAGING

Two packaging options are available:

- Bulk Packaging (5000 per Bag Max.) Waffle Pack (400 per Tray Max.)

MECHANICAL

Length .040 (+.002/002) 1.02 (+.05/05)	_
Lengur .040 (+.002/002) 1,02 (+.05/05)	
Length .040 (+.002/002) 1.02 (+.05/05) Width .040 (+.002/002) 1.02 (+.05/05)	
Thickness .009011 .2327	
Top Term006008 .1520	

Approx. Weight .00110 grams

Solderability: Solder coating compatible with Sn60, 62 or 63 solders, provides good wetting with all types of solder attachment. All product is tested IAW Mil-Std-202, method 208, including 8 hour steam aging.

OPTIONS

SOTA offers a full line of component parts in the 0404 size including High-Reliability (customer specified testing). Available options are epoxy bondable and wire bondable terminations, and custom part marking.

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