

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
- Delivers greater power handling capability and lighter weight for the size than chips constructed on alumina.

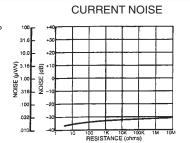
PERFORMANCE CHARACTERISTICS

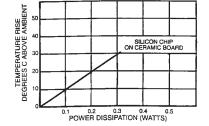
Resistance Range (1) Tolerances (2) 0.1%, 0.25%, 0.5%, 1%, 2%, 5%, 10% Maximum Power 100 mW Maximum Voltage 100 Volts

ENVIRONMENTAL PERFORMANCE

(1) Minimum resistance range at 0.1% tolerance is 100 ohms.

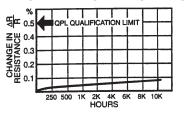
(2) ±0.05% in limited availability - consult factory



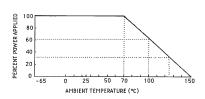


POWER DISSIPATION

TYPICAL LIFE TEST PERFORMANCE







S0202AS 150 J H W

TERMINATION MATERIAL
W: Gold A: Aluminum
TCR
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.

MECHANICAL

Approx. Weight .00018 grams

PACKAGING

Silicon chips are only packaged in waffle pack at a maximum of 400 per tray.

OPTIONS

SOTA offers a full line of component parts in the 0202 size including termination style D (top-side termination with isolated metalized bottom) and style F (Back Contact Resistor-BCR).

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