SAA, SMA, SCA Series
Slim Line Precision Metal Film Resistors

- **Resistances from 10 to 1 Meg Ohm**
- **Tolerance to ± 0.05%**
- **Low Temperature Coefficient to ± 5ppm/°C**
- **Non-Inductive Design**
- **Space Efficient Radial Leads**

Riedon's new SAA, SMA, and SCA series slim line resistors were designed to save valuable PCB space. These resistors integrate the outstanding characteristics of our molded metal film chip resistors with a space efficient, radial-lead epoxy coated body.

These high-quality resistors are subjected to 100% in-process testing that includes rated wattage for 48 hours, 2.5 times rated voltage overload, TCR at 25°C and 125°C, and resistance tolerance. Additionally, they undergo complete final test and inspection prior to shipment.

SPECIFICATIONS

Type	Power Rating (70°C)	Resistance Range	Maximum Voltage	Dimensions in. (mm) D +0.00/-0.02 (+0.0/-0.5)	H +0.00/-0.02 (+0.0/-0.5)	L ± 0.04 (± 1.0)	W ± 0.01 (± 0.2)	T +0.00/-0.02 (+0.0/-0.5)
SCA	0.25	10 to 330K	300	0.205 (5.2)	0.315 (8.0)	0.390 (10)	0.100 (2.5)	0.090 (2.3)
SAA	0.25	10 to 1M	350	0.275 (7.0)	0.315 (8.0)	0.390 (10)	0.200 (5.0)	0.984 (2.5)
SMA	0.25	10 to 500K	350	0.433 (11)	0.170 (4.3)	0.492 (12.5)	0.400 (10.2)	0.984 (2.5)

Resistance Tolerances - ± 0.1%, 0.2%, 0.5%, 1% All Resistances
± 0.05% (100Ω < R < 100KΩ)

Temperature Coefficients - ± 10, ± 25 ppm/°C (All Resistances)
(25°C to 125°C) ± 5 ppm/°C (100Ω < R < 100KΩ)

Insulation Resistance - 10,000 MegΩ (Min.)

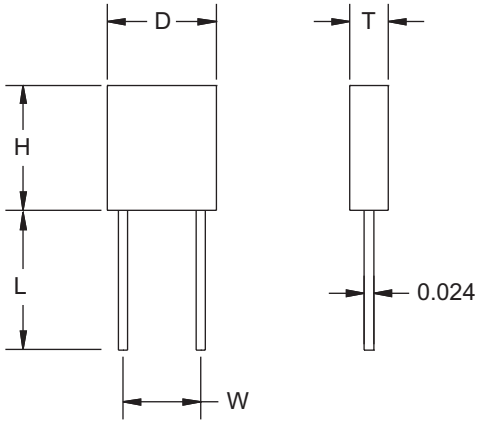
Load Life - ±0.1% (Max.)

Short Time Overload - ±0.01% (Max.)

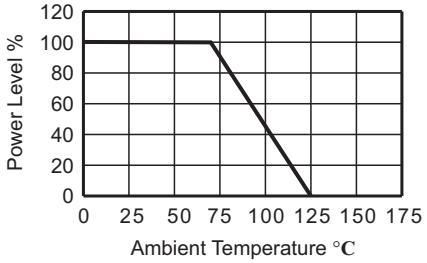
Temperature Cycling - ±0.05% (Max.)

Moisture Resistance - ±0.1% (Max.)

Vibration - ±0.01% (Max.)



Power Derating Curve



Ordering information:

Part Number - Resistance - Tolerance - TCR

Example: **SAA - 10K Ohm - 0.1% - 10ppm**

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