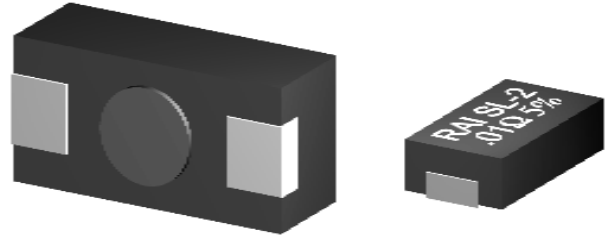


Surface Mount Power Resistors

- Resistance: 0.005 to 50,000 Ohms
- High Power - to 4 Watts
- Resistance Tolerance to $\pm 0.005\%$
- Low Temperature Coefficient
- Superior Surge Handling Capability
- High Temperature Molded Construction
- Reel Packaging in Embossed Carrier Tape
- 100% Acceptance Tested, Traceable to NIST

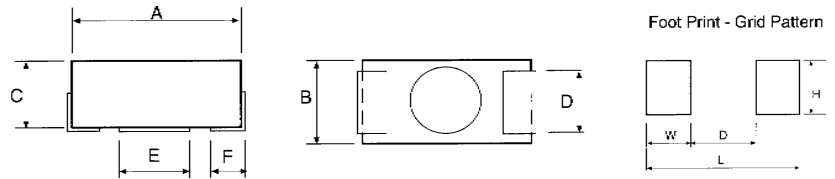


Riedon's SL and S power resistors serve today's expanding usage of surface mounted circuitry. The SL Series is for low resistance requirements from 0.005 to 1 ohm. This low-profile design uses a welded strip metal resistance element with very low inductance (0.5nH to 5nH) and low thermal emf. The S Series uses a welded wirewound element for higher resistance applications to 50K ohms.

SPECIFICATIONS

TYPE	Resistance (OHMS)	Power WATTS	A max	B max	C max	Lead Thick ¹	D ²	Stand-Off E	Ht.	F ³	W	Footprint ³		
												H	D	L
S-1	0.01 to 400	0.5	0.210	0.130	0.110	0.006	0.060	0.100	0.005	0.040	0.062	0.100	0.125	0.250
S-2	0.01 to 1K	1.0	0.275	0.150	0.130	0.006	0.070	0.120	0.005	0.070	0.096	0.112	0.145	0.337
S-4	0.01 to 15K	2.0	0.475	0.250	0.180	0.006	0.120	0.190	0.005	0.100	0.155	0.230	0.230	0.540
S-5	0.01 to 50K	4.0	0.820	0.295	0.280	0.006	0.150	0.245	0.005	0.190	0.220	0.250	0.460	0.900
SL-2	0.005 to 0.1	1	0.275	0.150	0.100	0.006	0.070	0.120	0.005	0.070	0.096	0.112	0.145	0.337
SL-4	0.005 to 0.1	2	0.475	0.250	0.100	0.006	0.120	0.190	0.005	0.100	0.155	0.230	0.230	0.540

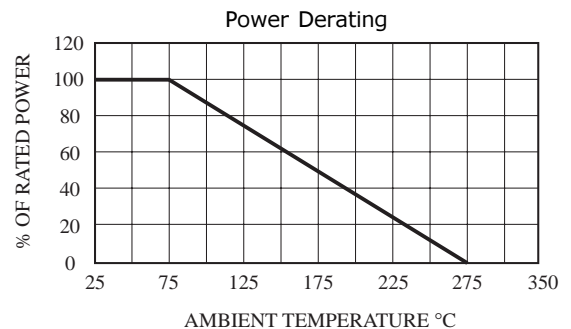
Dimension are in inches.
Tolerance: ¹ ± 0.003 ² ± 0.020 ³ ± 0.010



Temperature Coefficient of Resistance (ppm/°C):	SL: ± 120 S: $<1\Omega: \pm 90$; 1 to 10 $\Omega: \pm 50$; $>10\Omega: \pm 20$
Standard Resistance Tolerances:	SL: $\pm 0.1\%$ to $\pm 5\%$; S: $\pm 0.01\%$ to $\pm 5\%$ (Other tolerances are available.)
Operating Temperature:	-55°C to +275°C
Reel/Tape Width (mm):	SL-2: 16, SL-4: 24, S-1: 12, S-2: 16, S-4: 24, S-5: 32

Environmental Specifications: (MIL-STD 202)

	% Max. Resistance Change
Load Life at Rated Wattage	1
Moisture Resistance	1
Temperature Cycle (-40°C to +125°C)	0.5
Short Time Overload (5X rated wattage for 5 Sec.)	0.5
Low Temperature Storage	0.5
Solder Heat	0.25
Shock	0.5
Vibration	0.5



Options: Four-wire Kelvin terminations, special markings, special temperature coefficients to +6000 ppm/°C, 100 hour burn-in per Mil-Stds, non-inductive Aryton-Perry windings for S-1, S-2, S-4 and S-5.