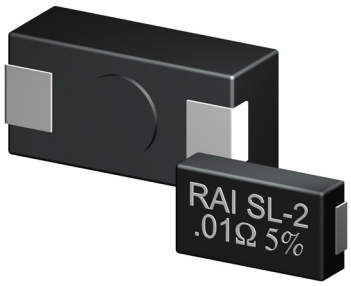
S & SL Series

Surface Mount Wirewound Resistors



- **Resistance: 0.005 to 50kOhms**
- **High Power: to 4Watts**
- **Tolerance to ±0.01%**
- **Low Temperature Coefficient to ±20ppm/K**
- **Superior Surge Handling Capability**
- **Reel Packaging**
- **Non-Inductive Windings are Available (Type SN)**

SPECIFICATIONS

Type	Power Rating Watts @ 70°C	Resistance[1] Range (Ω)	Maximum Working Voltage
S-1	0.5	0.01 to 400	$\sqrt{P * R}$
S-2	1	0.005 to 3k	
S-4	2	0.01 to 15k	
S-3	3	0.01 to 25k	
S-5	4	0.01 to 50k	
SL-2	1	0.005 to 0.05	
SL-4	2	0.005 to 0.07	

[1] For non-inductive windings / divide maximum resistance by 2

Specification	Value
Tolerances	S: ±0.01% to ±5% SL: ±0.1% to ±5%
Temperature Coefficient	S: >10Ω : ±20ppm/K S: 1Ω to10Ω : ±50ppm/K S: <1Ω : Call Factory SL: ±120ppm/K
Temperature Range	-55°C to +275°C
Dielectric Strength	S: 1000 VAC SL: 500 VAC
Insulation Resistance	>1000 MOhms / Dry
Reel / Tape Width (mm)	S-1: 12 / S-2: 16 / S-3: 24 / S-4: 24 / S-5: 32 / SL-2: 16 / SL-4: 24
Environmental Performance (MIL-STD 202)	ΔR
Dielectric	±0.5% + 0.05Ω
Load Life	±1% + 0.05Ω
Storage	±0.5% + 0.05Ω
Moisture Resistance	±1% + 0.05Ω
Thermal Shock	±0.5% + 0.05Ω
5X Overload (5s)	±0.5% + 0.05Ω
Shock	±0.5% + 0.05Ω

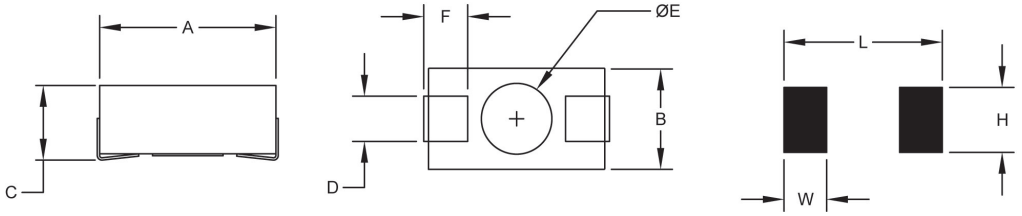
Riedon Inc. 300 Cypress Avenue Alhambra CA 91801 ☎ (626) 284-9901 🖷 (626) 284-1704
www.riedon.com

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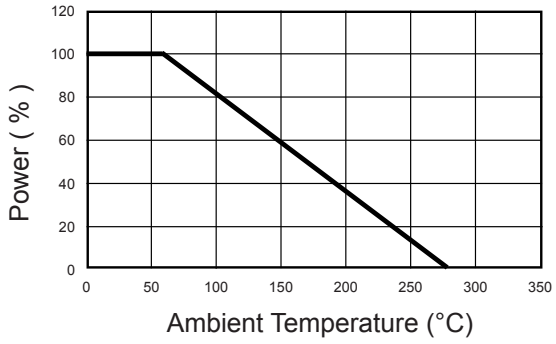
SPECIFICATIONS (continued)

Type	Dimensions						Stand-Off		Footprint		
	A ±0.015" [±0.4mm]	B ±0.015" [±0.4mm]	C ±0.015" [±0.4mm]	D ±0.015" [±0.4mm]	F ±0.015" [±0.4mm]	Lead Thick-ness ±0.002" [±0.05mm]	E ±0.015" [±0.4mm]	Height ±0.005" [±0.13mm]	W ±0.015" [±0.4mm]	H ±0.015" [±0.4mm]	L ±0.015" [±0.4mm]
S-1	0.190 [4.8]	0.130 [3.3]	0.110 [2.8]	0.060 [1.5]	0.040 [1.0]	0.006 [0.15]	0.100 [2.5]	0.005 [0.13]	0.062 [1.6]	0.100 [2.5]	0.250 [6.4]
S-2	0.260 [6.6]	0.155 [3.9]	0.125 [3.2]	0.070 [1.8]	0.070 [1.8]	0.006 [0.15]	0.120 [3.0]	0.005 [0.13]	0.096 [2.4]	0.112 [2.8]	0.337 [8.6]
S-4	0.450 [11.4]	0.250 [6.4]	0.180 [4.6]	0.120 [3.0]	0.100 [2.5]	0.006 [0.15]	0.190 [4.8]	0.005 [0.13]	0.155 [3.9]	0.230 [5.8]	0.540 [13.7]
S-3	0.625 [15.9]	0.270 [6.9]	0.250 [6.4]	0.120 [3.0]	0.135 [3.4]	0.006 [0.15]	0.150 [3.8]	0.005 [0.13]	0.200 [5.1]	0.150 [3.8]	0.700 [17.8]
S-5	0.820 [20.8]	0.295 [7.5]	0.305 [7.7]	0.150 [3.8]	0.190 [4.8]	0.006 [0.15]	0.245 [6.2]	0.005 [0.13]	0.220 [5.6]	0.250 [6.4]	0.900 [22.9]
SL-2	0.260 [6.6]	0.155 [3.9]	0.100 [2.5]	0.070 [1.8]	0.070 [1.8]	0.006 [0.15]	0.120 [3.0]	0.005 [0.13]	0.096 [2.4]	0.112 [2.8]	0.337 [8.6]
SL-4	0.450 [11.4]	0.250 [6.4]	0.100 [2.5]	0.120 [3.0]	0.100 [2.5]	0.006 [0.15]	0.190 [4.8]	0.005 [0.13]	0.155 [3.9]	0.230 [5.8]	0.540 [13.7]



Solder Pad Dimensions

Power Derating Curve



Ordering Information

For Non-Inductive Windings / insert the letter “N” (i.e. SN-4)
Part Number - Resistance - Tolerance - TCR (If not standard)
Example: S-4 100 Ohm 1%

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