



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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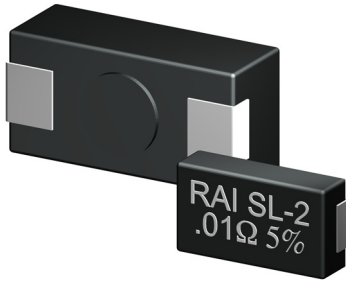
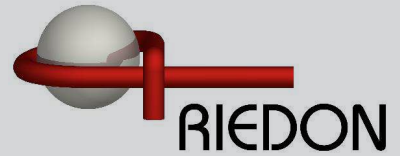
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S & SL Series

Surface Mount Wirewound Resistors



- Resistance: 0.005 to 50kOhms
- High Power: to 4Watts
- Tolerance to $\pm 0.01\%$
- High Temperature Rating up to 275°C
- Low Temperature Coefficient to $\pm 20\text{ppm/K}$
- Superior Surge Handling Capability
- Non-Inductive Windings are Available (Type SN)
- Flame Resistant UL 94V-0

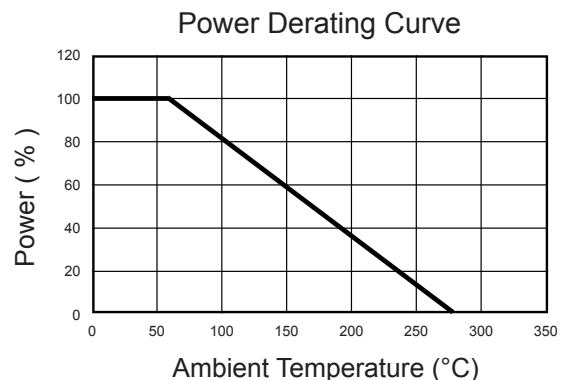
SPECIFICATIONS

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: $\pm 0.01\%$ to $\pm 5\%$ SL: $\pm 0.1\%$ to $\pm 5\%$
Temperature Coefficient	S: $>10\Omega$: $\pm 20\text{ppm/K}$ S: 1Ω to 10Ω : $\pm 50\text{ppm/K}$ S: $<1\Omega$: Call Factory SL: $\pm 120\text{ppm/K}$
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 MAX
Dielectric	$\pm 0.5\% + 0.05\Omega$
Load Life	$\pm 1\% + 0.05\Omega$
Storage	$\pm 0.5\% + 0.05\Omega$
Moisture Resistance	$\pm 1\% + 0.05\Omega$
Thermal Shock	$\pm 0.5\% + 0.05\Omega$
5X Overload (5s)	$\pm 0.5\% + 0.05\Omega$

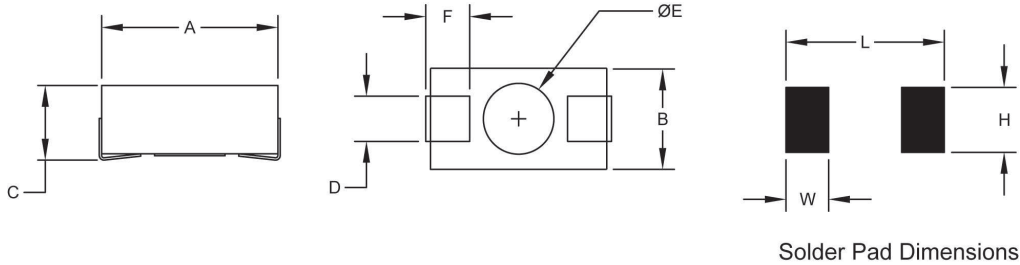


S & SL Series

Surface Mount Wirewound Resistors



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]

Standard Package Quantities							
	S-1	S-2	S-4	S-3	S-5	SL-2	SL-4
Small Reel	650	600	250	125	180	600	250
Large Reel	3000	2000	1000	500	500	2000	1000

Surface Mount Humidity Packaging:

All Riedon Surface Mount wirewound resistors have a Moisture Sensitivity Level (MSL) rating of 2 (1-year floor life). Surface Mount parts are packaged in a Moisture Barrier Bag (MBB) with a Humidity Indicator Card and desiccant to monitor and protect the parts from humidity. The MBB is marked with a Moisture-Sensitive Identification Label.

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%