

# SRT Resistor Technology

## Power Chip Resistors

Type: S, SL, SN

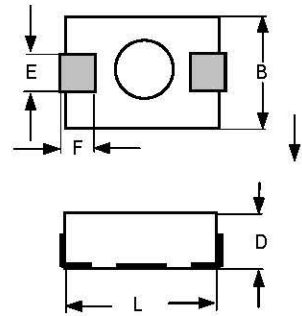
Sizes: 1913, 2615, 4525, 6327, 8230

### Features:

- Moulded package with metal contacts
- Low values by metal strip (SL) and wire wound (S) elements
- Superior surge handling capability
- High power up to 4W
- Non-inductive version available (type SN)

### Dimensions:

Type	Size	L	B	D	E	F
S-1	1913	4.8	3.3	2.8	1.5	1.0
S-2	2615	6.6	3.9	3.2	1.8	1.8
S-4	4525	11.4	6.3	4.6	3.0	2.5
S-3	6327	15.9	6.8	6.4	3.0	3.4
S-5	8230	20.8	7.5	7.1	3.8	4.8
SL-2	2615	6.6	3.9	2.5	1.8	1.8
SL-4	4525	11.4	6.4	2.5	3.0	2.5



All dimensions in mm  
Tolerances:  $\pm 0.4\text{mm}$

### Technical data – depending on size:

Type	Power rating $P_{70}$	Resistance range	Tolerances	TCR	Max. operating voltage
S-1	0.5	0R01... 400	0.01% ... 5%	$< 1R:$ on request $1R... 10R:$ $\pm 50$ ppm/K $> 10R:$ $\pm 20$ ppm/K	$V = \sqrt{P \cdot R}$
S-2	1.0	0R005... 3K	0.01% ... 5%		
S-4	2.0	0R01... 15K	0.01% ... 5%		
S-3	3.0	0R01... 25K	0.01% ... 5%		
S-5	4.0	0R01... 50K	0.01% ... 5%		
SL-2	1.0	0R005 ... 0R05	0.1% ... 5%	$\pm 120$ ppm/K	
SL-4	2.0	0R005 ... 0R07	0.1% ... 5%		

For non-inductive winding: divide maximum resistance by 2

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### Technical data - general:

Temperature range	-55°C ... +275°C
Insulation resistance	> 1000M
Solderability acc. to EN 60068-2-58 (lead-free and lead-containing)	250°C 3s
Max. soldering temperature acc. to EN 60068-2-58	260°C 10s

Long term stability	$\Delta R$
Load life (MIL-STD 202)	< 1%
Storage 125°C/1000h	< 0.5%
Short time overload (2.5x rated power, 5s)	< 0.5%
Moisture resistance (MIL-STD-202, Meth. 106)	< 1%
Solder Heat	< 0.25%
Thermal shock (MIL-STD-202, Meth. 107)	< 0.5%

More data on request

### Ordering data:

Type – value – tolerance

Example: S-4 100R  $\pm 1\%$

Non-inductive: add "N"

Example: SN-4 50R  $\pm 1\%$