

SRT Resistor Technology

Precision High Voltage Resistors

Type: RIT

Sizes: RIT26, RIT39, RIT52, RIT78, RIT103, RIT124, RIT154

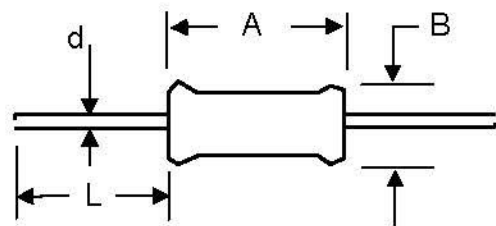
Features:

- Axial leads
- Non inductive
- Close tolerances
- Wide range of resistance values
- High voltage up to 30 kV
- Low TCR up to 25 ppm/K
- High temperature up to 200°C



Dimensions:

Size	A	B	d	L
RIT26	26.90	8.20	1.0	28 ± 3
RIT39	39.50	8.20	1.0	28 ± 3
RIT52	52.10	8.20	1.0	28 ± 3
RIT78	77.70	8.20	1.0	28 ± 3
RIT103	102.90	8.20	1.0	28 ± 3
RIT124	123.70	8.20	1.0	28 ± 3
RIT154	153.70	8.20	1.0	28 ± 3

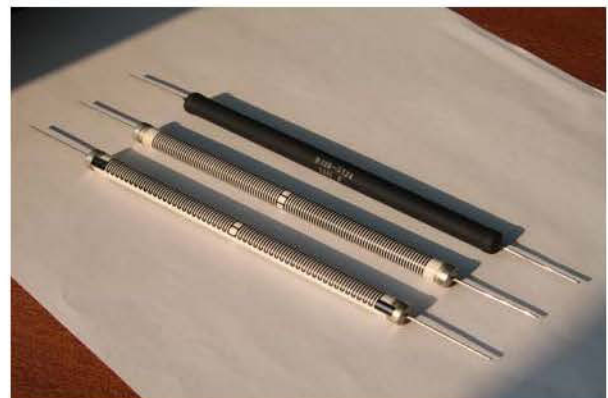


Ordering data:

Type – value – tolerance

Example: RIT 39 200M $\pm 1\%$

Minimum quantity: 50 pieces per value



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Technical data – depending on size:

Size	Power rating	Max. continuous oper. voltage (kV)	Resistance (Ω)	
	P_{125} (W)		min.	max.
RIT26	1.0	4.0	100K	250M
RIT39	1.5	6.0	150K	400M
RIT52	2.0	10	200K	500M
RIT78	3.0	15	300K	700M
RIT103	4.0	20	400K	1G
RIT124	5.0	25	500K	1G
RIT154	6.0	30	600K	1G

On special request: maximum continuous operating voltage up to 60% higher than values listed in the table can be achieved by special factory conditioning.

General technical data:

Resistance Tolerance	$\pm 1\%$ (0.5% on special order)
Temperature Coefficient	25 ppm/K (-55°C ... +125°C)
Insulation resistance	10 G Ω
Temperature range	-55°C ... +200°C
Climatic category to EN 60068-1	55/200/56
Humidity- / contact protection	High temperature silicone coating

Long term stability	
Load life 125°C/1000h	$\Delta R \leq 0.25\%$
Overload 5x P_N (≤ 1.5 Max. operating voltage) 5s	$\Delta R \leq 0.2\%$
Thermal shock	$\Delta R \leq 0.2\%$
Moisture resistance (240h @ 40°C; 93% RH)	$\Delta R \leq 0.4\%$