

RIP-Series

High Voltage Resistor

Sizes: RIP15, RIP20, RIP26, RIP32, RIP39, RIP52, RIP78, RIP103, RIP124, RIP154

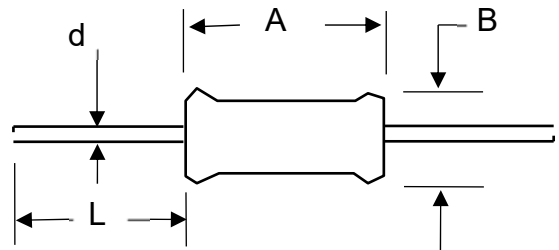
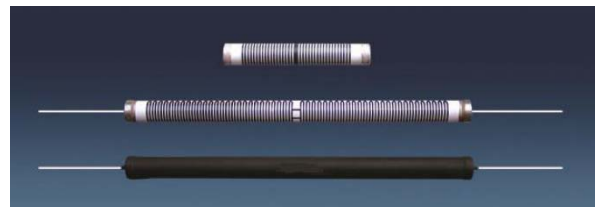
Features:

- Axial leads
- Non inductive design
- Tolerances down to 0.5 %
- Wide range of resistance values
- High operating voltages up to 45 kV
- Temperature coefficient (TCR) 100 ppm/K
- High temperature capability up to 200°C



Dimensions:

Type	A	B	d	L
RIP15	15.0 ± 1.0	5.0 ± 0.5	0.8 ± 0.05	36 ± 3
RIP20	20.2 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3
RIP26	26.9 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3
RIP32	32.0 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3
RIP39	39.0 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3
RIP52	52.1 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3
RIP78	77.7 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3
RIP103	101.3 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3
RIP124	123.3 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3
RIP154	153.7 ± 1.0	8.2 ± 0.5	1.0 ± 0.05	30 ± 3



Technical data – general:

Resistance Tolerance	$\pm 1\%$, $\pm 5\%$, $\pm 10\%$ ($\pm 0.5\%$ on special request only)
Temperature Coefficient	100 ppm/K
Insulation resistance	10 G Ω
Temperature range	-55°C ... +200°C
Climatic category acc. to EN 60068-1	55/200/56
Solderability acc. to EN 60068-2-58	245°C @ 3 s
Max. soldering temperature acc. to EN 60068-2-58	260°C @ 10 s
Encapsulation	High temperature silicone coating

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Long term stability	
Load life 125°C/1000h	$\Delta R \leq 0.5\%$
Overload 5x P _N (≤1.5 Max. operating voltage) 5s	$\Delta R \leq 0.5\%$
Thermal shock	$\Delta R \leq 0.25\%$
Moisture resistance (240h @ 40°C; 93% RH)	$\Delta R \leq 0.4\%$

Technical data – depending on size:

Size	Power rating		Max. continuous operating voltage (kV)	Resistance (Ω)	
	P ₇₅ (W)	P ₁₂₅ (W)		min.	max.
RIP15	0.5	0.35	3.0	200R	1G
RIP20	2.5	1.5	4.8	200R	1G
RIP26	3.7	2.5	6.4	250R	1G
RIP32	4.5	3.0	8.0	300R	1G5
RIP39	5.2	4.0	12.8	400R	1G5
RIP52	7.5	5.0	16.0	500R	2G5
RIP78	11.0	7.5	24.0	900R	4G
RIP103	12.0	8.0	32.0	1K2	6G
RIP124	15.0	10.0	40.0	1K5	8G
RIP154	20.0	15.0	45.0	2K0	10G

Other values for resistance, tolerance and temperature coefficient on request and agreement only

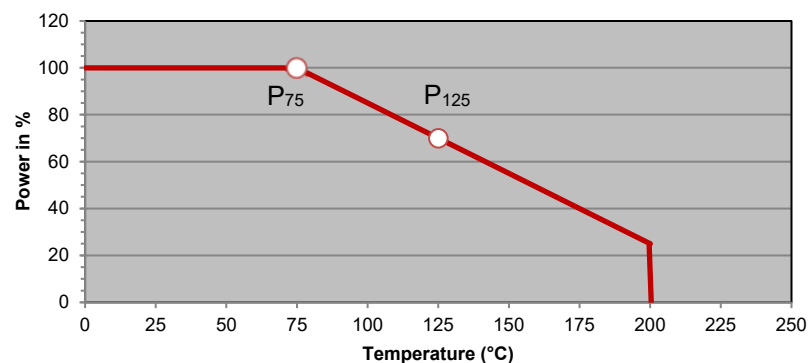
Ordering Data:

Type – size - value – tolerance – temperature coefficient TCR

Example: RIP 124 1G ±5% TCR 100

Minimum order quantity (MOQ): 100 pieces per value

Derating Curve:



Specifications subject to change without notice

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