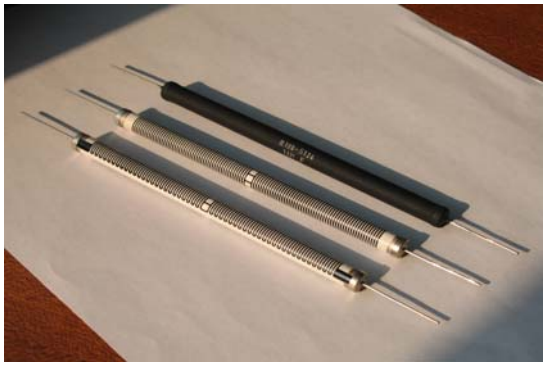
# High Voltage Resistors
# Type: RIP *(RI80)*
# Sizes: RIP20, RIP26, RIP32, RIP39, RIP52, RIP78, RIP103, RIP124, RIP154

RoHS / ELV conform 2002/95/EC 2000/53/EC

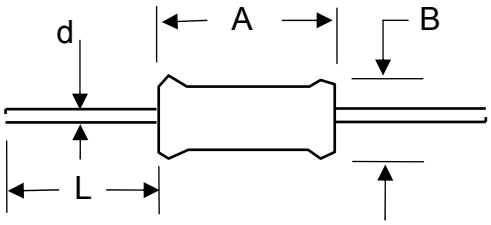
## Features:

- Axial leads
- Non inductive
- Close tolerances
- Wide range of resistance values
- High voltage up to 45 kV
- Low TCR up to 100 ppm
- High temperature up to 200°C (Derating from 70°C linear to 240°C)



## Dimensions:

| Size | A | B | d | L |
|---|---|---|---|---|
| RIP20 | 20.20 | 8.20 | 1.0 | 28 ±3 |
| RIP26 | 26.90 | 8.20 | 1.0 | 28 ±3 |
| RIP32 | 33.00 | 8.20 | 1.0 | 28 ±3 |
| RIP39 | 39.50 | 8.20 | 1.0 | 28 ±3 |
| RIP52 | 52.10 | 8.20 | 1.0 | 28 ±3 |
| RIP78 | 77.70 | 8.20 | 1.0 | 28 ±3 |
| RIP103 | 102.90 | 8.20 | 1.0 | 28 ±3 |
| RIP124 | 123.70 | 8.20 | 1.0 | 28 ±3 |
| RIP154 | 153.70 | 8.20 | 1.0 | 28 ±3 |




## Ordering data:

Type – value – tolerance – TCR
Example: RIP 124 1G ±5% TCR 100

Minimum order quantity (MOQ): 30 pieces per value

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# Type: RIP
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## Technical data – depending on size:

| Size | Power rating | | Max. continuous oper. voltage | Resistance (Ω) | |
|---|---|---|---|---|---|
| | $P_{75}$ (W) | $P_{125}$ (W) | (kV) | min. | max. |
| 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 | 500R | 2G5 |
| RIP78 | 11.0 | 7.5 | 24 | 900R | 4G |
| RIP103 | 12.0 | 8.0 | 32 | 1K2 | 6G |
| RIP124 | 15.0 | 10.0 | 40 | 1K5 | 8G |
| RIP154 | 20.0 | 15.0 | 45 | 2K0 | 10G |

## General technical data:

| | |
|---|---|
| Resistance Tolerance | ±1%, ±5%, ±10% |
| Temperature Coefficient | 100ppm/℃, |
| Insulation resistance | 10 GΩ |
| 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 | ΔR ≤ 0.5% |
| Overload 5x $P_N$ ( ≤1.5 Max. operating voltage) 5s | ΔR ≤ 0.5% |
| Thermal shock | ΔR ≤ 0.25% |
| Moisture resistance (240h @ 40°C; 93% RH) | ΔR ≤ 0.4% |

Specifications subject to change without notice

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