



ENGLISH

## Datasheet

# RS150 Aluminium Housed Resistors



### Product details:

Manufactured in line with the requirements of MIL 18546 and IEC 115, designed for direct heatsink mounting with thermal compound to achieve maximum performance

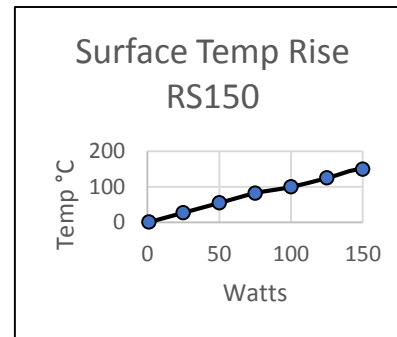
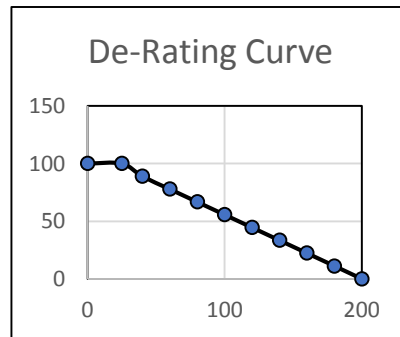
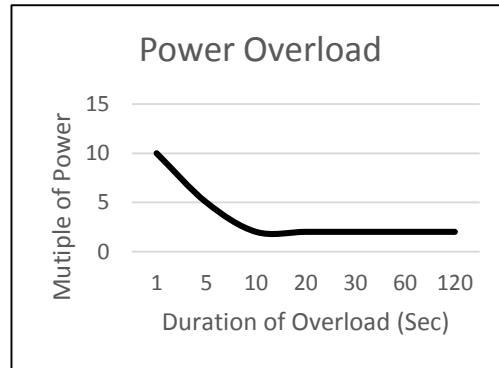
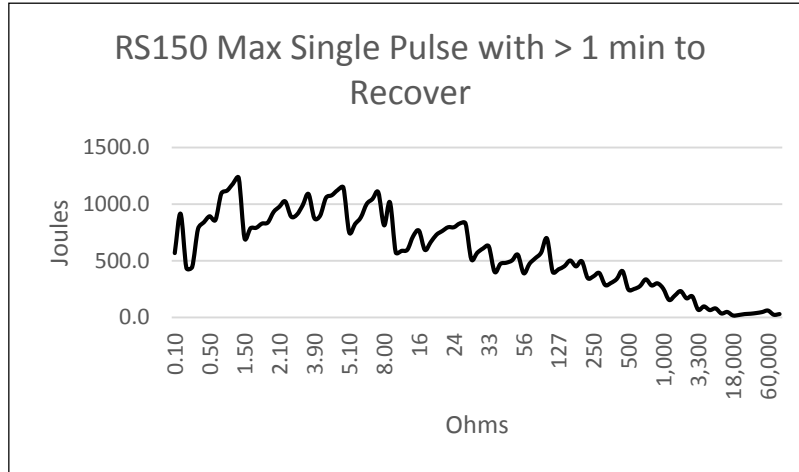
- **High Power to Volume**
- **Wound to maximize High Pulse Capability**
- **Values from R01 to 100K**
- **Custom designs welcome**
- **RoHS Compliant**

### Heat dissipation:

Whilst the use of proprietary heat sinks with lower thermal resistances is acceptable, uprating is not recommended. For maximum heat transfer it is recommended that a heat sink compound be applied between the resistor base and heat sink chassis mounting surface. It is essential that the maximum hot spot temperature of 200°C is not exceeded, therefore, the resistor must be mounted on a heat sink of correct thermal resistance for the power being dissipated.



# Overload/De-rating & Temperature Rise

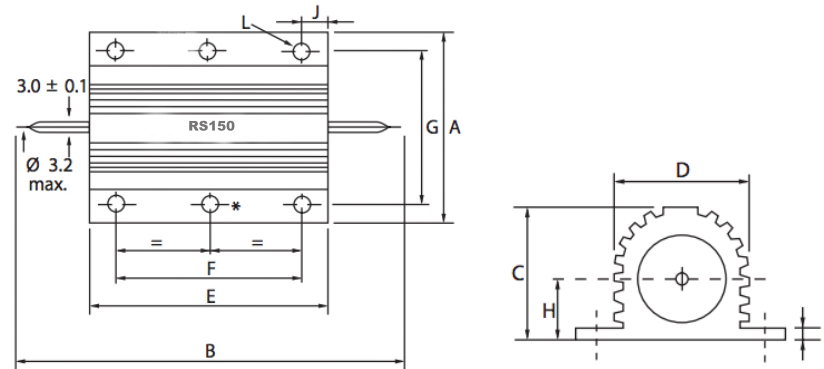




### Specifications:

Power rating on std heatsink @25°C	150 Watts	
Watts with no heatsink@25°C	45 Watts	
Resistance range	R01 – 100K	
Limiting Element Voltage	2500	
Voltage proof AC Peak	6363	
Voltage proof AC RMS	4500	
Approx. weight GMS	175	
Typical surface rise RS300 Mounted	1 °C/W	
Standard heatsink	Area	995 CM <sup>2</sup>
	Thickness	1 mm

### RS150 Dimensions (mm):



A Max	B Max	C Max	D Max	E Max	F±0.3	G±0.3	H Max	J Max	K Max	L±0.45
47.5	121.0	24.1	27.3	97.7	58.0	37.0	11.8	20.4	3.7	4.4