RS Stock No. 1754148~1754167 (see below)

ENGLISH

Datasheet

RS 75 Aluminium Housed Resistors

Product details:

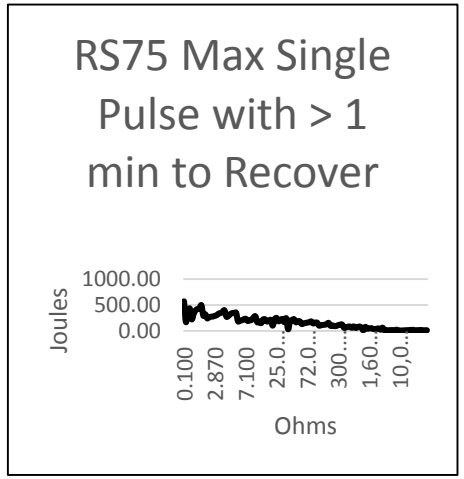
Manufactured in line with the requirements of MIL 18546 and IEC 115, designed for direct heatsink mounting with thermal compound to achieve maximum performance

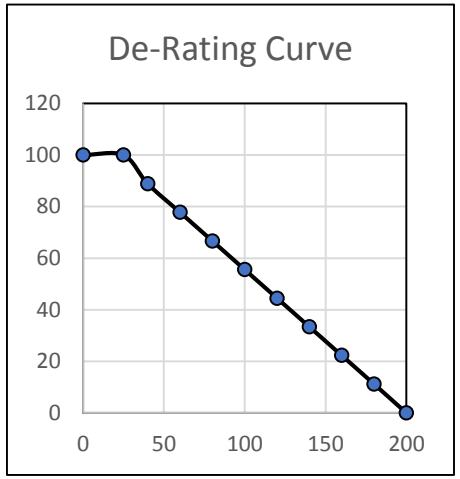
- **High Power to Volume**
- **Wound to maximize High Pulse Capability**
- **Values from R01 to 50K**
- **Custom designs welcome**
- **RoHS Compliant**

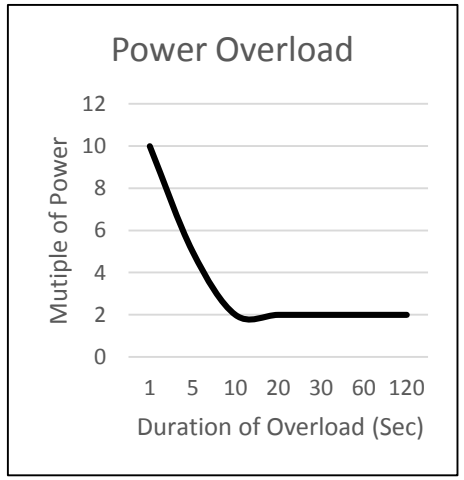
Heat dissipation:

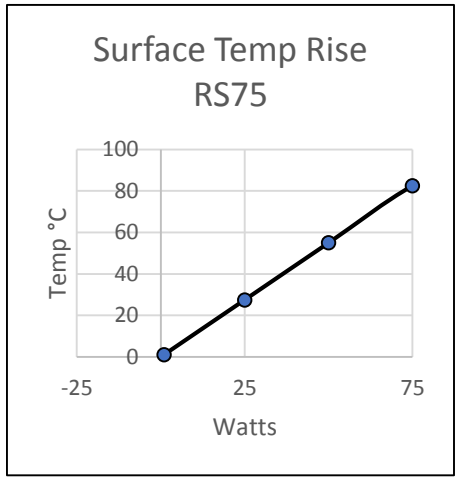
Whilst the use of proprietary heat sinks with lower thermal resistances is acceptable, uprating is not recommended. For maximum heat transfer it is recommended that a heat sink compound be applied between the resistor base and heat sink chassis mounting surface. It is essential that the maximum hot spot 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/Derating & Temperature Rise





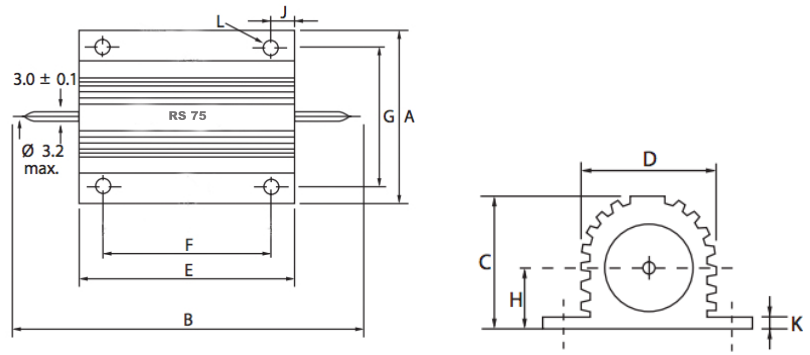




Specifications:

Power rating on std heatsink @25°C	75 Watts	
Watts with no heatsink@25°C	24 Watts	
Resistance range	R01 – 50K	
Limiting Element Voltage	1400	
Voltage proof AC Peak	6363	
Voltage proof AC RMS	4500	
Approx. weight GMS	85	
Typical surface rise RS300 Mounted	1.1 °C/W	
Standard heatsink	Area	995 CM²
	Thickness	1 mm

RS75 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	72.0	24.1	27.3	48.7	29	37.0	11.8	10.4	3.7	4.4

RS Stock no.	Power Rating	Resistance Value
1754148	75W	1K8
1754149	75W	R47
1754150	75W	3R3
1754151	75W	4R7
1754152	75W	1R2
1754153	75W	470R
1754154	75W	33R
1754155	75W	22R
1754156	75W	111R
1754157	75W	1R
1754158	75W	10R
1754159	75W	220R
1754160	75W	550R
1754161	75W	82R
1754162	75W	47R
1754163	75W	2R2
1754164	75W	750R
1754165	75W	1K
1754166	75W	100R
1754167	75W	R1