

Power Dissipation Mount Fixed Resistors



PDMS Series

Features

- Large creep distance
- Low inductance
- Superior heat conduction & good heat dissipation
- Safety flameproof construction
- Lightweight body with high power rating

Application

- Industrial
- Power supply
- Automotive
- Alternative Energy

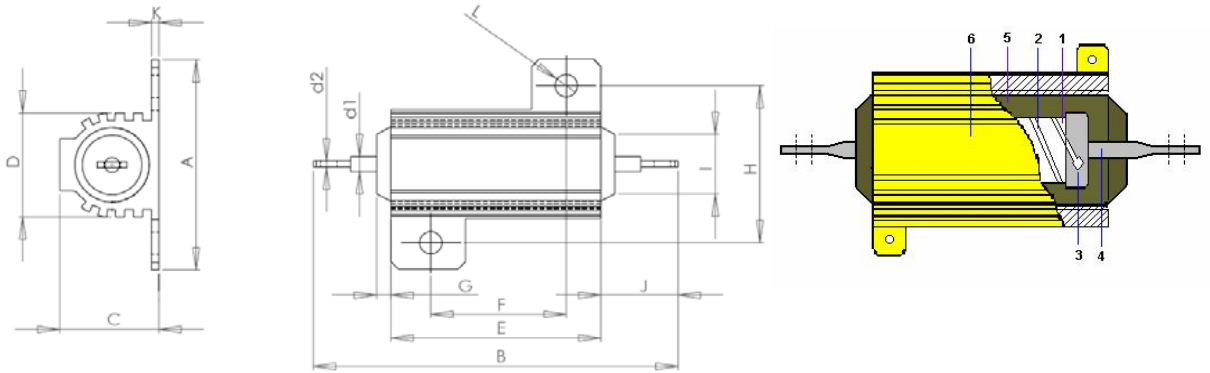


Website: www.royalohm.com
Email : info@royalohm.com (Thailand)

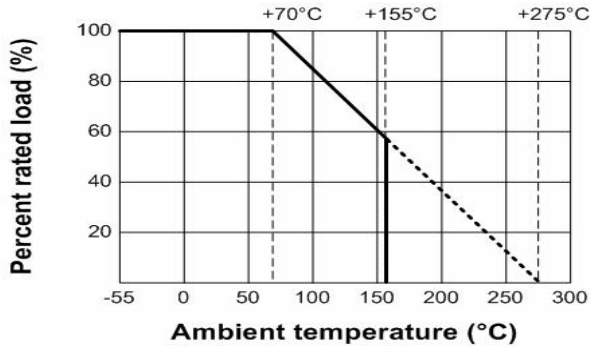
ISO / TS 16949
ISO 14001

Power Dissipation Mount Fixed Resistors

Dimension



Derating Curve



Style	Power Rating at 70 °C	Standard Resistance Range	High Resistance Value
PDMS 25W	25W	5.1Ω-8.2K Ω	12K Ω
PDMS 50W	50W	5.1 Ω-20K Ω	35K Ω

Type	A	B	C	D	E	F	G	H	I	J	K	L	d1	d2
	±1	±2	±1	±1	±1	±1	±1	±1	±1	±1	Max	±0.5	±0.2	±0.2
PDMS(S) 25W	27	49	14	13.5	28	18	2.5	19	8	10.5	2.4	3.5	2	0.8
PDMS(S) 50W	30	75	16	15.5	50	40	4.5	22	10	12.5	3.2	3.5	2	0.8

Characteristic

Test Item	Standard	Test Item	Standard
Temperature Coefficient	<20Ω ±400 PPM/°C ≥20Ω ±300 PPM/°C	Resistance to soldering heat	±(1%+0.05Ω) Max
Short Time Overload	±(5%+0.05Ω) Max	Temperature cycling	±(5%+0.05Ω) Max
Terminal Strength	No evidence of mechanical damage	Humidity (Steady State)	±(3%+0.05Ω) Max
Solderability	95%coverage Min.	Load Life	±(5%+0.05Ω) Max
Dielectric Withstanding Voltage	1500 V	Dielectric Strength	3KVac