Power Dissipation Mount Fixed Resistors

Performance Specification

Temperature Coefficient	<20Ω ±400PPM/°C; ≥20Ω ±350PPM/°C.
Short Time Overload	± (5.0% + 0.05Ω) Max, with no evidence of mechanical damage.
Dielectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Terminal Strength	No evidence of mechanical damage.
Resistance to Soldering Heat	± (1.0% + 0.05Ω) Max, with no evidence of mechanical damage.
Solderability	Min. 95% coverage.
Temperature Cycling	± (5.0% + 0.05Ω) Max, with no evidence of mechanical damage.
Humidity (Steady State)	± (3.0% + 0.05Ω) Max, with no evidence of mechanical damage.
Load Life in Humidity	For Wire-wound range, ±(5.0% + 0.05Ω)Max
Load Life	For Wire-wound range, ±(5.0% + 0.05Ω)Max

Ordering Procedure: Ex.: PDM 25W,+/-5%, 100Ω, B/B

P	D	M	0	2	5	J	W	1	0	1	B	0	0

Type:
PDM0 = Power Dissipation Mount Fixed Resistors

Wattage:
5W = 5W
AW = 10W
25 = 25W
35 = 35W
50 = 50W

Resistance Value:
- E-24 series:
  1st digit is "W" = Wire-wound
  2nd & 3rd digits are the significant figures of the resistance
  4th indicates the number of zeros:
  "J" ~ 0.1, "K" ~ 0.01
  Ex.: 4.7Ω ~ 47J, 4.7KΩ ~ 472

Tolerance:
J = ±5%
K = ±10%

Packing Type:
B = Bulk/Box

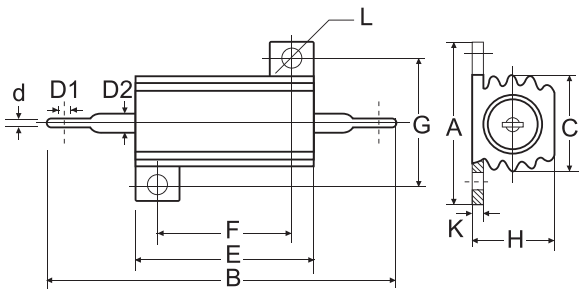
Packing Qty:
0 = Bulk/Box

Additional Information:
0 = Standard

PDM Type

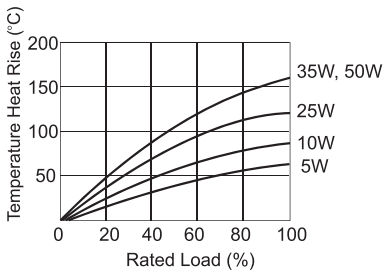
Features

- Low inductance
- Safety flameproof construction
- Lightweight body with high power rating
- Application: Power supply, adapter, industrial application



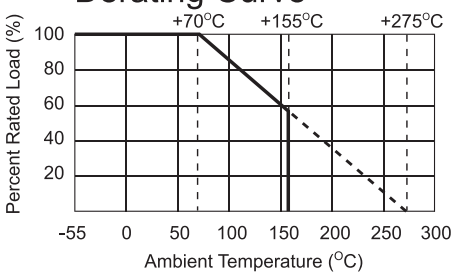
Style	A±0.5	B±1	C±2	E±0.5	F±0.2	G±0.2	H±0.5	K Max	L±0.5	D_1±0.2	D_2±0.05	d±0.2
PDM 5W	16	32.5	8	15.5	11	12	8	2.5	2	1.3	1.5	0.3
PDM 10W	22.3	40.5	11	20.5	15.2	17.2	12.2	3.2	2.5	2	2	0.8
PDM 25W	30.3	45.5	14	27.5	18.2	20.2	16.3	3.2	3	2	2	0.8
PDM 35W	30.3	56.5	16.3	34.5	24.2	20.2	16.3	3.2	3	2	2	0.8
PDM 50W	30.3	78.5	16.5	50.5	40.2	20.2	16.3	3.2	3	2	2	0.8

Heat Rise Chart



Style	Power Rating at 70°C	Lowest Ohmic Value	Standard Resistance Range	Highest Ohmic Value
PDM 5W	5W	0.01Ω	5.1Ω ~ 1KΩ	1.8KΩ
PDM 10W	10W	0.05Ω	5.1Ω ~ 1.5KΩ	5KΩ
PDM 25W	25W	0.05Ω	5.1Ω ~ 8.2KΩ	12KΩ
PDM 35W	35W	0.05Ω	5.1Ω ~ 8.2KΩ	15KΩ
PDM 50W	50W	0.05Ω	5.1Ω ~ 20KΩ	35KΩ

Derating Curve



RoHS Compliant