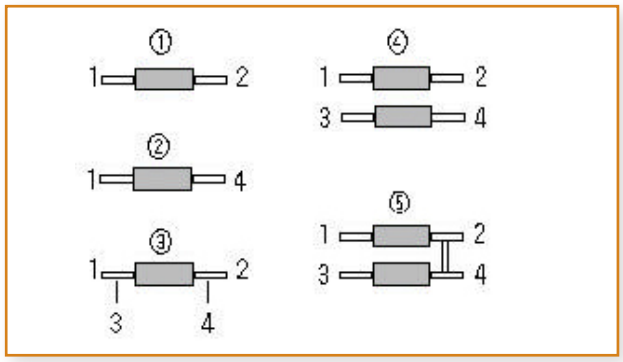
3R-100 100Watt Mountable Non-Inductive,High Frequency Resistors

3R-100(TO-227, SOT-227, ISOTOP) Non-Inductive design these elements are ideally suites for high frequency and pulse load applications. By direct mounting on a heatsink significant cost advantages can be realized.
3R-100(TO-227) can be supplied in a 2-terminal or 4- terminal version double or max. 3- fold resistors are available. Main applications are Variable speed Drives, Power Supplies, Control Devices, Telecom, Robotics, Motor Controls, Dynamic Braking, and other switching designs, RF Applications, soft start.

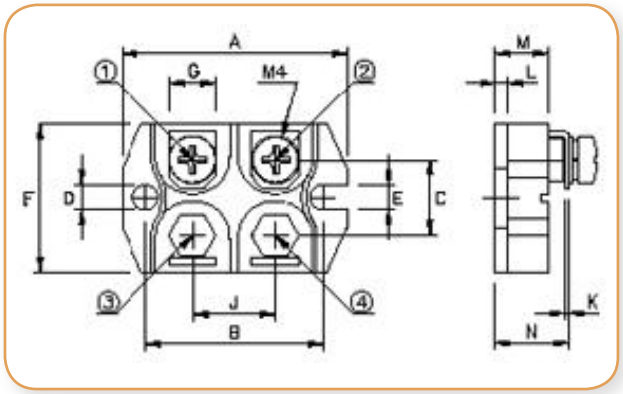
3R-100 (TO-227)Device, Non-Inductive 100Watt Power Resistor

- ·Heat Sink Mountable
- ·RF Termonal
- ·Shunt
- ·Inverter
- ·Motor Braking
- ·Pulse & Plasma
- ·Medium Voltage

VERSIONS



DIEMENSION



Dim	Millimeters ±1		Inches	
	Min.	Max.	Min.	Max
A	38.00	38.20	1.496	1.503
B	30.10	30.30	1.185	1.192
C	12.60	12.80	0.496	0.503
D	4.10	N/A	0.157	0.157
E	4.10	4.30	0.161	0.169
F	24.40	25.40	0.960	1.023
G	7.80	8.20	0.307	0.322
J	14.9	15.0	0.586	0.594
K	0.75	0.85	0.029	0.033
L	1.95	2.05	0.076	0.078
M	8.9	9.1	0.350	0.358
N	11.8	12.2	0.464	0.480

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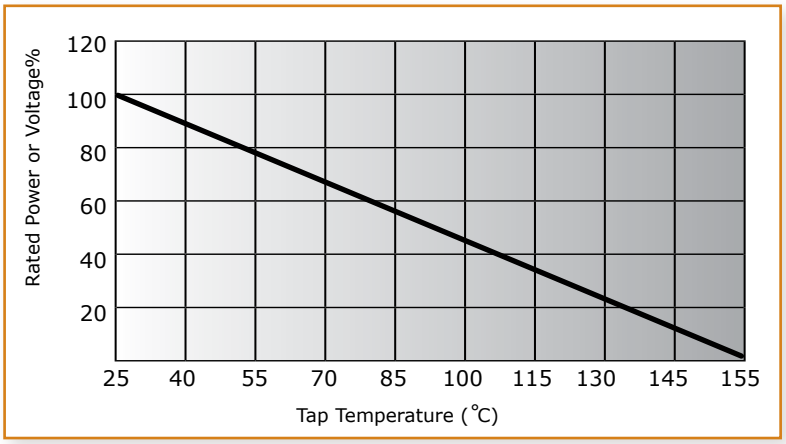
Derating Curve



Specifications

Tolerance : 5%, 10% std. (1% ,2% custom)

TCR : ± 100ppm/℃ std.

Power rating : 100W at 25 °C Tap Temperature

Working Voltage : less than 1kV rms

(higher voltage see "DON-15" package device)

Resistance range : 1R to 5Meg

Voltage Proof : Dielectric strength 4kVdc against ground

Inductance : ≤50 nH

Capacitance : ≤ 40pF

Working temp. range : -55°C to +155°C

Max. torque for contacts (static) :1.3Nm

Max. torque for base plate (static) : 1.5Nm

Resistive material : Thick Film

Resistive Substrates : Alumina

Tap Material : Ni Plated Copper Plates

Housing : EMC

Terminal : Tinned Copper; 2-pin,3-pin,4-pin

Partial Discharging : 2kV rms / 80pC

cf.: The described specifications & dimensions subject to change without notice.

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