

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



3R-100(TO-227, SOT-227, ISOTOP) Non-Inductive design these elements are ideally suited for high frequency and pulse load applications. By direct mounting on a heatsink significant cost advantages can be realized.

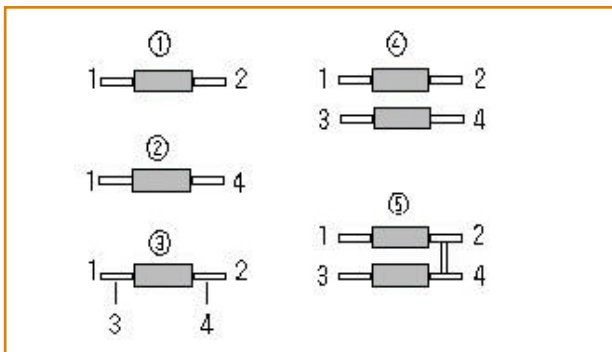
3R-100(TO-227) can be supplied in a 2-terminal or 4-terminal version double or max. 3-fold resistors are available. Main applications are Variable speed Drives, Power Supplies, Control Devices, Telecom, Robotics, Motor Controls, Dynamic Braking, and other switching designs, RF Applications, soft start.

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

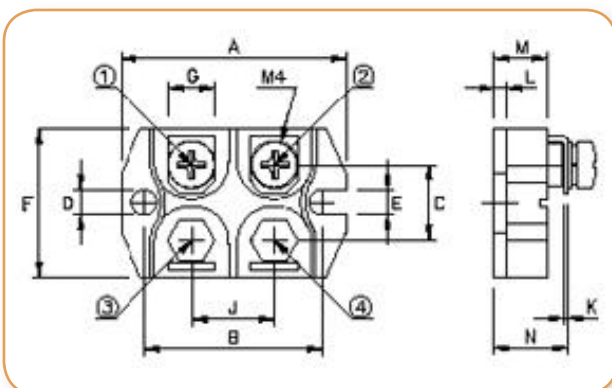
- Heat Sink Mountable
- RF Terminal
- Shunt
- Inverter
- Motor Braking
- Pulse & Plasma
- Medium Voltage



## VERSIONS



## DIEMENSION

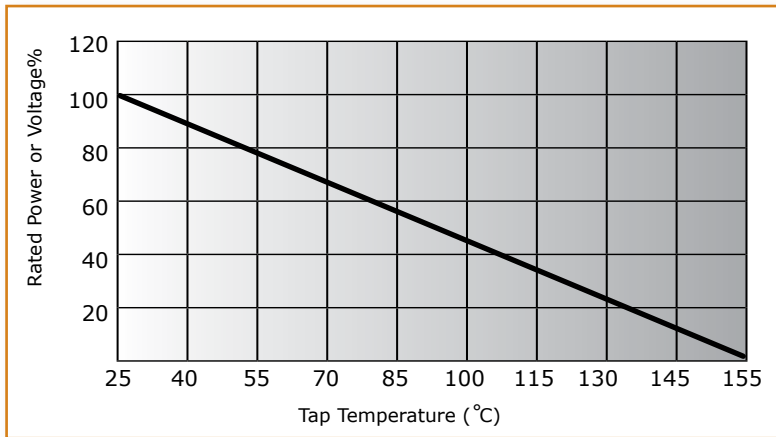


Dim	Millimeters $\pm 1$		Inches	
	Min.	Max.	Min.	Max
A	38.00	38.20	1.496	1.503
B	30.10	30.30	1.185	1.192
C	12.60	12.80	0.496	0.503
D	4.10	N/A	0.157	0.157
E	4.10	4.30	0.161	0.169
F	24.40	25.40	0.960	1.023
G	7.80	8.20	0.307	0.322
J	14.9	15.0	0.586	0.594
K	0.75	0.85	0.029	0.033
L	1.95	2.05	0.076	0.078
M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

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



## DERATING CURVE



## SPECIFICATIONS

- Tolerance** : 5%, 10% std. (1% ,2% custom)
- TCR** :  $\pm 100$ ppm/°C 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** :  $\leq 50$  nH
- Capacitance** :  $\leq 40$ pF
- 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.