

OMEGA PRODUCTS PRIVATE LIMITED

Datasheet for Thick Film Power Resistors OTP Series

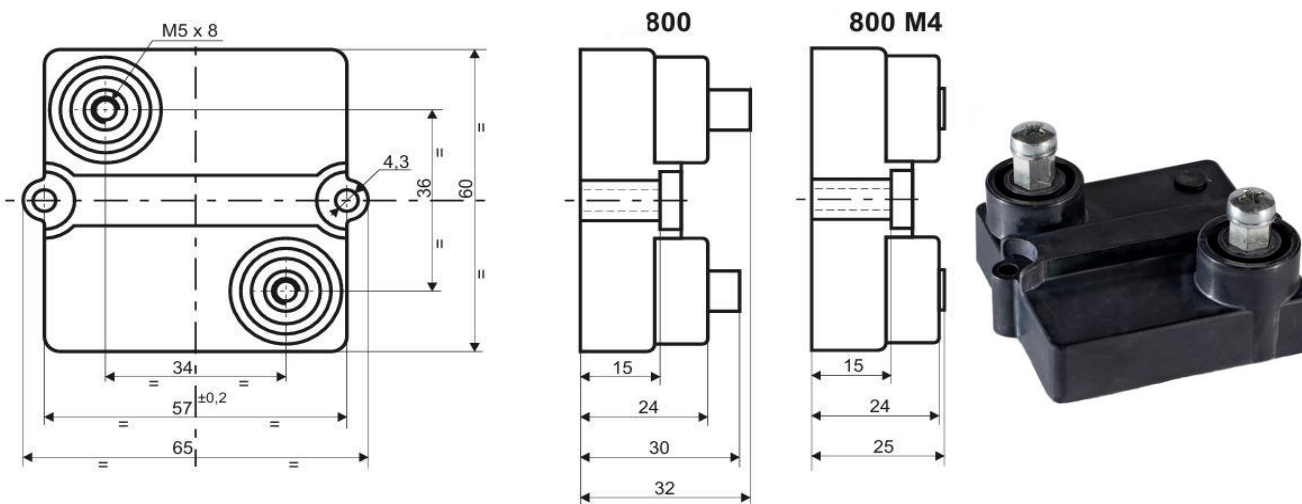
DESCRIPTION

Omega High power resistors are made from high quality materials for optimum reliability and stability with very low partial discharge. High power resistors are available in multiple different combination as per customer requirements and specifications. Resistors are available with very low inductance and easy mounting. These Resistors are used for applications like Snubbing, balancing resistor, high voltage, high frequency and filter.

FEATURES :

Wide Range of Resistors
Low Partial Discharge

Low Inductance
RoHS Compliant
Custom Built Design and values available



SPECIFICATION

Type	Wattage	Working Voltage	Resistance Range	Impulse	Tol	TCR
OTP 800	800W	5200V	1R to 1M	12kv	1% to 10%	150 ppm

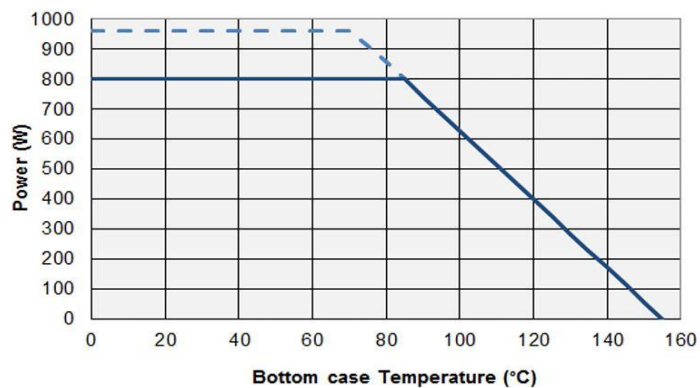
PERFORMANCE CHARACTERISTIC

	Requirement Shall not Exceed
Overload	1KW
Parallel Capacitance	40pF
Capacitance to Heatsink	< 150pF
Self Inductance	80nH
Creep Distance	42 mm
Air Gap Distance	16 mm
Thermal Resistance	115°C/W
Heat Sink Flatness	0.05 mm
Heat Sink Surface finish	6.3 μm Max
Thermal Resistance	0.11°C/W
Thermal Grease Required	λ >1W/mK

Max Torque of Contacts & Mounting
Insulation Resistance (at 500V for 1 Min)
Partial Discharge at 5kV
DWV Test (terminal to heatsink)
Temperature Range

2Nm (Static)
Shall not be less than 10⁵ M Ohms
Shall be less than 10 pc
No Flash over at 7kv rms
-55 to +150°C

DERATING CURVE



Ordering Info: OTP 800 10R K

OTP 800

800 - 800W

10R - Resistance Value

Tolerance F-1%, J-5%,K-10%

Specifications are subject to change without notice