

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 :

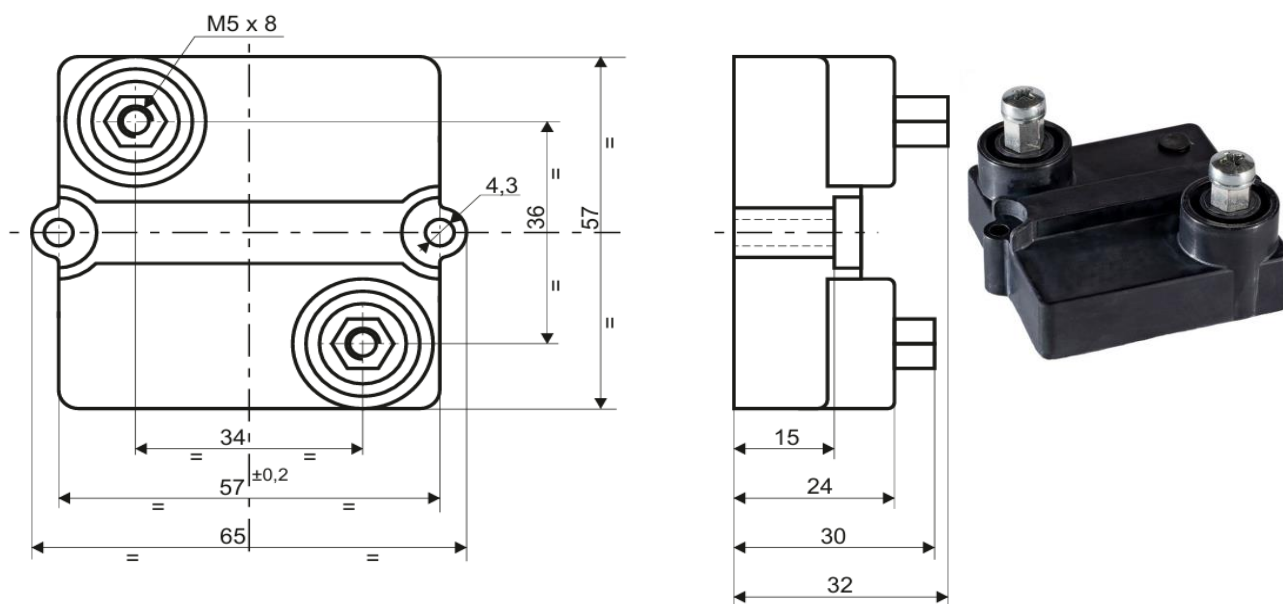
Wide Range of Resistors

Low Partial Discharge

Low Inductance

RoHS Compliant

Custom Built Design and values available



SPECIFICATION

Type	Wattage	Working Voltage	Resistance Range	Impulse	Tol	TCR
OTP 600	600W	5000V	1R to 1M	12kv	1% to 10%	150 ppm

PERFORMANCE CHARACTERISTIC

	Requirement Shall not Exceed
Overload	1KW
Parallel Capacitance	40pF
Capacitance to Heatsink	< 110pF
Self Inductance	80nH
Creep Distance	42 mm
Air Gap Distance	16 mm
Thermal Resistance	0.115°C/W
Heat Sink Flatness	0.05 mm
Heat Sink Surface finish	6.3 µm Max
Thermal Grease Required	λ > 1W/mK
Max Torque of Contacts & Mounting	2Nm (Static)

Insulation Resistance (at 500V for 1 Min)

Shall not be less than 10^5 M Ohms

Partial Discharge at 5kV

Shall be less than 10 pc

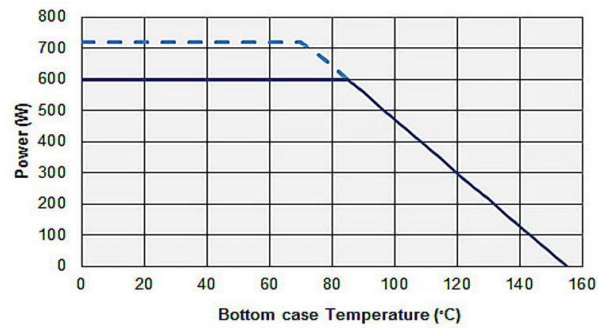
DWV Test (terminal to heatsink)

No Flash over at 7kv rms

Temperature Range

-55 to +150°C

DERATING CURVE



Ordering Info: OTP 600 10R J

OTP600,

600 - 600W

10R - Resistance Value

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

Specifications are subject to change without notice