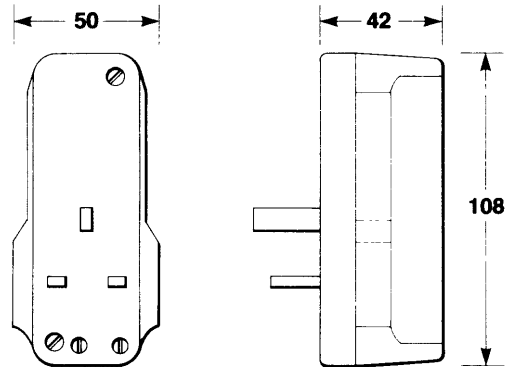


The Plug

146-966

Description

The Plug incorporates a solid state voltage clamping device, (Transient Suppressor) and R.F.I. filter within an enlarged 13 amp plug casing. It has been designed to provide portable electronic equipment (desk top micro-computers, electronic games etc..) with protection against the electrical spikes and noise which can be generated by operating electrical equipment within the home or office environment.



All dimensions are in mm

R.F.I. Filter:	PCB mounted encapsulated unit
Rated Voltage:	250V AC
Rated Current:	4A (Referring to an ambient temperature of +40°C. Admissible service current dependent on ambient temperature (See Diagram 1))
Temperature Range:	-25°C to +85°C
Test Voltage:	X Capacitance: 1625V DC for 2 seconds Y Capacitance: 1800V AC or 2700V DC for 2 seconds
Capacitor Dielectric:	Paper impregnated
Capacitor Electrodes:	Aluminium foil
Capacitance Tolerance:	± 20%
Inductor Core Material:	Ferrite
Inductance Tolerance:	± 25%
Asymmetrical Insertion Loss:	See Diagram 2
Transient Suppressor:	Metal Oxide Varistor
Maximum Average Power Dissipation:	.2W
Energy Rating:	12J (TP = 10ms)
I Peak:	500A
Typical Response Time:	< 50 nano seconds
Maximum Ambient Temperature:	60°C (for derating information at ambient temperatures above 60°C see Diagram 3)
Voltage v Current Characteristics:	See Diagram 4

Diagram 1

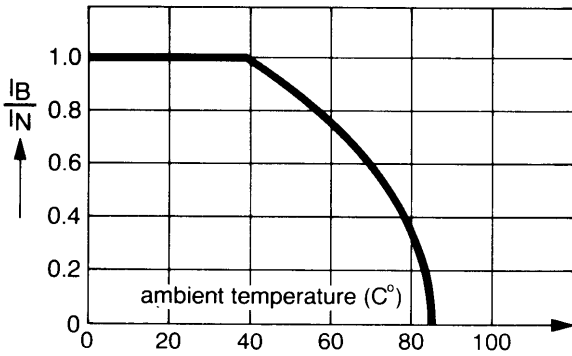


Diagram 2

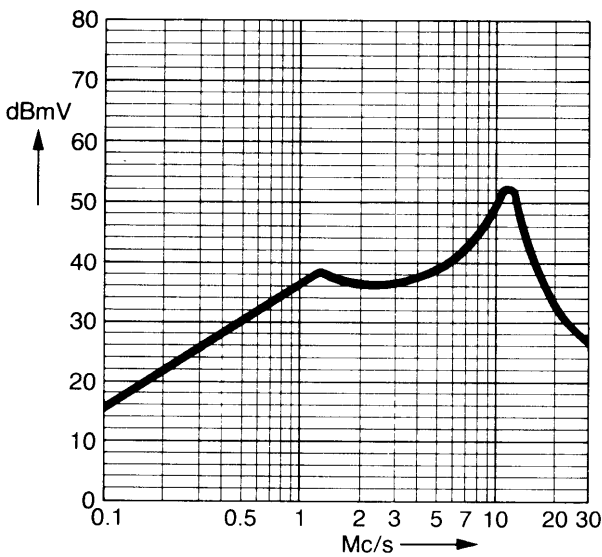


Diagram 3

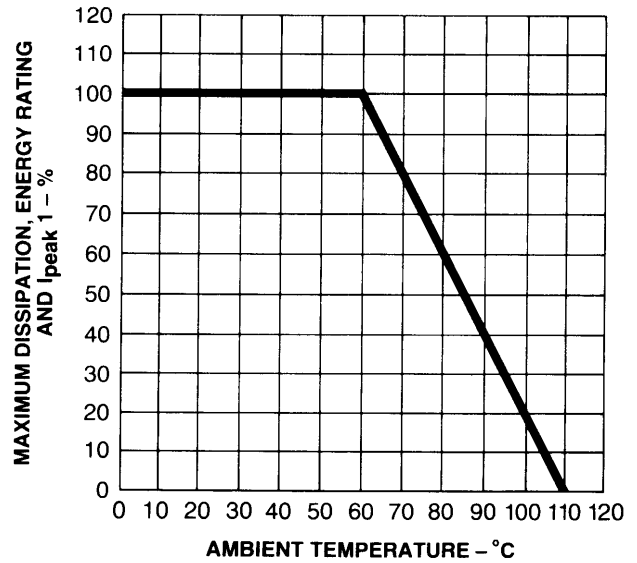
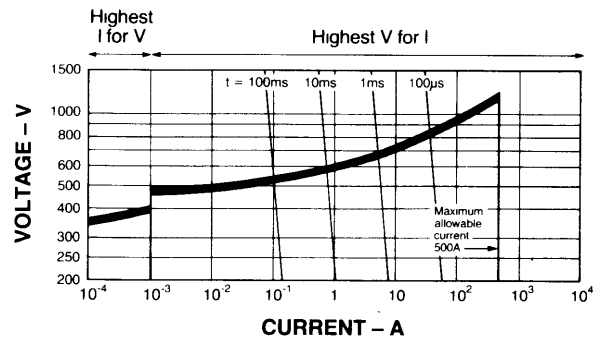


Diagram 4



General

- Case Material:** White flame retardent ABS with cable clamp.
- Input Connector:** 10A PCB mounting moulded in Nylon 6, glass reinforced. Maximum conductor capacity 2.5 sq mm.
- Fuse:** 20 x 5mm time lag to BS 4265 rated at 3.15A.
- Fuseholder:** PCB mounted open fuse holder, nylon base with nickel silver clips.

In accordance with our policy of continuous development, we reserve the right to change the specification without notice. It should be realised, therefore, that the foregoing particulars do not constitute a binding contract.

Power International Limited

2A Isambard Brunel Road Portsmouth Hampshire PO1 2DU England
 Telephone: Portsmouth (0705) 756715