SUPAPLUG POWER FILTER

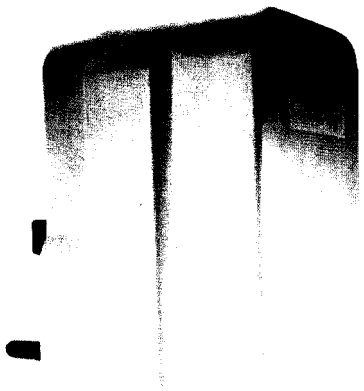
540+456
468
470

CURRENT RATINGS: 3 AMP, 7 AMP, 13 AMP.

Designed as a filter plug to be easily connected to a wide variety of sensitive electrical equipment and thus provide a level of protection against the hazards of mains borne interference and voltage transients.

Power fluctuation problems can arise from electrical equipment being switched on or off, to lifts starting and from lightning strikes to radio frequency transmissions.

In a fraction of a second damage to hardware or loss of software can occur. – The Supaplug offers a cost effective means of preventing this happening.



TYPICAL APPLICATIONS

- Computers
- Office Equipment
- Hi-Fi Equipment
- TV & Video
- Electronic Scales
- Measuring Instrument
- Typewriters, Printers
- Photocopiers, Facsimilies

COMMERCIAL ADVANTAGES

- Protects expensive & sensitive equipment
- High performance, low cost
- Easy to fit
- Reduces equipment downtime & servicing costs
- Improves signal to noise ratio on hi-fi's

TECHNICAL ADVANTAGES

■ **SATURATION** - *Saturation of the SUPAPLUG does not occur until three times the normal maximum current is applied therefore when connected to equipment drawing the rated current capacity, the filter performs as efficiently as at lower currents - giving increased reliability.*

■ **P_2E SINGLE OUTLET POWER FILTER** - *Incorporates solid state suppressors and an RFI filter with excellent transient suppression up to 5:1 capability; slows down rise time of transient in order that the power supply can recognise reduced transient and remove it completely. Will reduce susceptibility to noise input and provides insertion loss on differential and common mode interference.*

■ **PHYSICAL SIZE** - *The SUPAPLUG is much more compact than other filters of a similar power handling capacity. The 45mm width and 35mm from the centre pin to the plug base allows for easy plug in to single or double sockets without hindering switching on or off with the floor or work tops.*

■ **CASE CONSTRUCTION** - *Flame retardant ABS to UL.94VØ. Standard units supplied with plain off-white cover. If required customer can have facia to own screenprinted design.*

■ **EXTENSIONS** - *The efficient design allows the 13 amp version to be well suited for use with a three or four way distribution board thus providing protection for up to four applications.*

■ **STANDARDS** - *Fully complies with BS.1363 for plug & designed in accordance with BS.613 filter requirements. All Phase Two Electronics filters are designed in accordance with the latest requirements regarding Health and Safety, particularly EN 60950 creepage and clearance and BS. 6204 earth leakage current criteria.*

REGULATIONS

Manufacturers of electrical/electronic products are recommended to comply with certain Radio Frequency Interference (R.F.I) regulations in the recently issued E.E.C. Harmonisation Programme and from January 1st 1992 all electrical/electronic products made or sold in the United Kingdom must by law meet specific performance criteria with regard to Electro Magnetic Compatibility (EMC). This range of SUPAPLUGS is designed to help our customers comply and to give a compactness and performance superior to other suppliers.

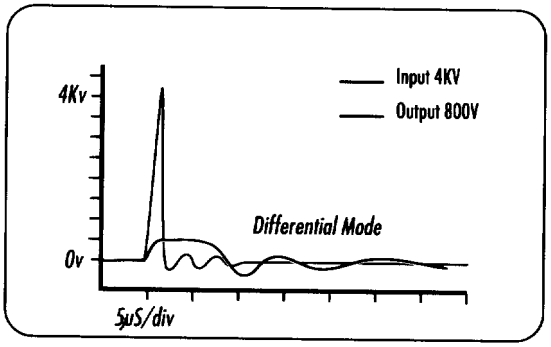
P E

SPECIFICATION

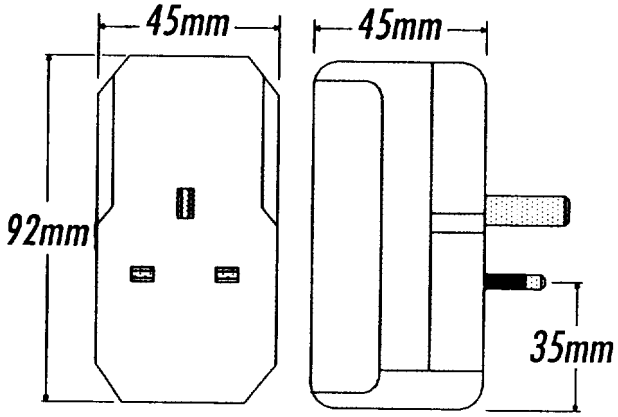
Product Type	FP
Operating Voltage	220V-250V AC
Ratings	3A, 7A, 13A
Typical Attenuation	85dB @ 1MHz
Energy Rating	75J
Transient Response	500 Nano-seconds (nS)
Max Transient Absorption	1.5Kw
Pulse Integration	5.1
Peak Output Voltage (4KV Input)	800V
Volt Drop	<1V
Standards in accordance with	BS 1363 BS 613

PERFORMANCE CHARACTERISTICS

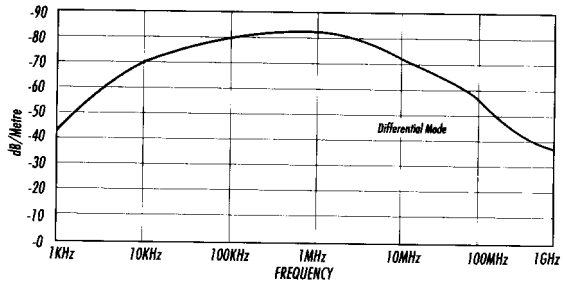
TRANSIENT RESPONSE



DIMENSIONS



INSERTION LOSS



ORDERING CODES

P2E/ ★★★ / - / FP / ★

AMP RATING (013 = 13A)

TYPE OF SOCKET / PLUG CONNECTION

D = GERMANY E = SPAIN F = FRANCE

G = GREAT BRITAIN U = UNITED STATES

E.G. P2E / 007 / - / FP / G

In addition to the standard range of filters, Phase Two Electronics specialise in the design and manufacture of filters to suit your specific design requirements.

Due to continuous development Phase Two Electronics reserve the right to amend any information contained within this data sheet without prior notice.

Phase Two Electronics Ltd., Unit 8A, Castle Vale Industrial Estate, Maybrook Road, Minworth, Sutton Coldfield, West Midlands, England B76 1AL. Telephone 021 313 2525, Fax: 021 313 1779