

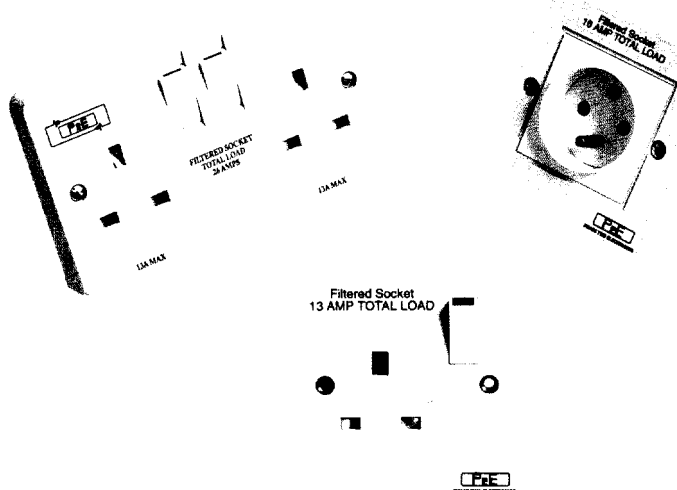
# SINGLE AND DUAL FILTERED SUPPLY SOCKETS

**CURRENT RATINGS:**  
**SINGLE-13AMP, (UK)**  
**DUAL-26AMP TOTAL:**  
**(13AMP MAX PER OUTLET) (UK)**  
**OPERATING VOLTAGE:**  
**220-265V, 50-60 Hz RMS (UK)**

With the increasing sophistication of electrical and electronic equipment, the need for protection from Radio Frequency Interference (RFI) and mains borne transient surges is of paramount importance.

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

In a fraction of a second damage to hardware or loss of software can occur.



Phase Two Electronics high performance range of Single or Dual Filtered Supply Sockets provide protection in a wide range of domestic, commercial and industrial environments.

Whether you operate one piece of equipment, or fifty, filtered supply sockets are an inexpensive, easy-fit solution offering protection and peace of mind.

## TYPICAL APPLICATIONS

- Office Equipment
- Telephone Systems
- Computers, mainframe systems
- Audio/Video Equipment
- Laboratory Equipment in hospitals, research establishments
- Industrial Electronics
- White goods
- Construction Industry - Retrofit electrics in commercial and industrial buildings

## COMMERCIAL ADVANTAGES

- Very high R.F.I. performance for minimal cost
- Integral transient protection
- Increased system reliability and efficiency
- Equipment/system downtime reduced
- Operating and service costs reduced
- Inexpensive and easy to install
- Replaces standard surface and flush mount sockets

## TECHNICAL ADVANTAGES

Throughout the range the Phase Two Electronic filtered supply sockets provide extremely effective insertion loss and transient performance characteristics.

### ■ SATURATION

Even at currents three times the rated value, the filters advanced magnetics stop saturation occurring. Thus on equipment drawing the rated current per socket the filters perform as effectively as they do at lower currents.

### ■ TRANSIENT PERFORMANCE

The filters are designed to handle very high transient energy absorption levels, in extremely quick response times.

An input surge is rapidly integrated to give a very low output voltage which can be effectively handled by the equipments own power supply.

### ■ OUTPUT RINGING

Phase Two have overcome the normal problem of extended output ringing by enhancing the damping circuitry. This has significantly reduced the possibility of secondary and tertiary fluctuations damaging sensitive equipment.

### ■ VERSATILITY

Many International socket types are available to accommodate each country's amp ratings. Suits all requirements, from single socket use to multi office installation needs. 'Trailing sockets' can be connected to the socket outlets to provide cost effective RFI/transient protection to a number of pieces of equipment up to the rated capacity of the socket outlet.

## STANDARDS

Fully complies with BS.1363 for socket and tested in accordance with BS.613. 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 FILTERED SOCKETS is designed to help our customers comply and to give a compactness and performance superior to other suppliers.



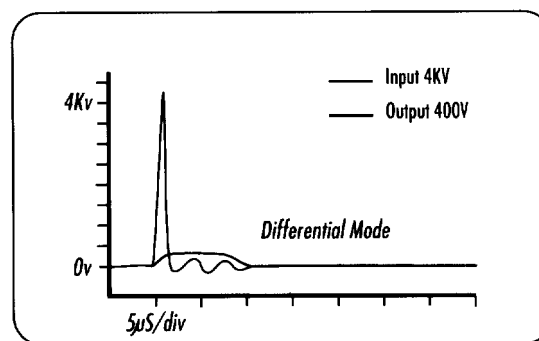
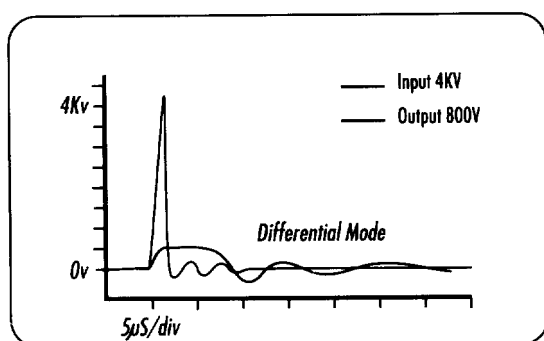
SPECIFICATION	DUAL FILTERED SUPPLY SOCKET	SINGLE FILTERED SUPPLY SOCKET	TRANSIENT SUPPLY SOCKET
Product Type	2/FS	1/FS	TS
Operating Voltage	220 - 250V AC	220 - 250V AC	220-250V AC
Rating	13A Per Socket	TOTAL 13A	TOTAL 13A
Typical Attenuation	70 dB @ 1MHz	45 dB @ 1MHz	15 dB @ 1MHz
Energy Rating	250 Joules	75 Joules	250 Joules
Transient Response	500 Nano-seconds (nS)	500 Nano-seconds (nS)	0.12 Nano-seconds (nS)
Max Transient Absorption	5 KW	1.5 KW	8 KW
Pulse Integration	5:1	10:1	10:1
Peak Output Voltage (4KV Input)	800V	800V	400V
Faceplate Finish	Glacier white	Glacier white	Glacier white
Standards in accordance with	BS 1363 BS 613	BS 1363 BS 613	BS 1363 BS 613
Earth Leakage per line:	0.8 mA	0.4 mA	0.2 mA

## PERFORMANCE CHARACTERISTICS

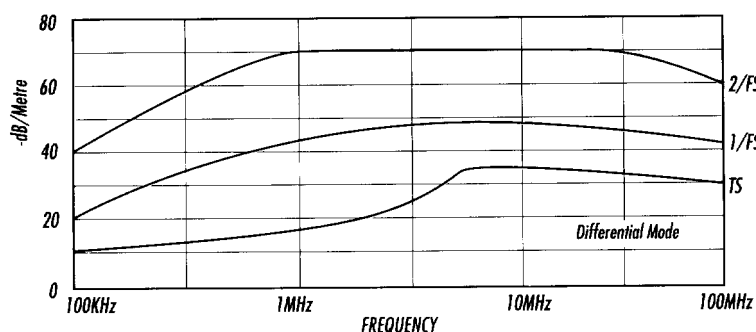
### TRANSIENT RESPONSE

SINGLE OR DUAL FILTERED SUPPLY SOCKET

SINGLE FILTERED SUPPLY SOCKET (TRANSIENT)



### INSERTION LOSS



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.

### ORDERING CODES

**P2E/ ★★ ★ / ★ / ★★ / ★**

AMP RATING ● (013 = 13A, 026 = 26A)

N° OF OUTLETS 1 OR 2 ●

PRODUCT TYPE ● FS = FILTER SOCKET TS = TRANSIENT SOCKET

TYPE OF SOCKET / PLUG CONNECTION ● D = GERMANY E = SPAIN F = FRANCE G = GREAT BRITAIN U = UNITED STATES

**E.G. P2E/013/1/FS/G**

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.

