



# OXFORD ELECTRICAL PRODUCTS

pulse transformers

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Open or encapsulated p.c.b. mounting transformers. Designed for wide band and general pulse applications in particular thyristor and triac control systems, where they provide isolation between firing circuit and load.

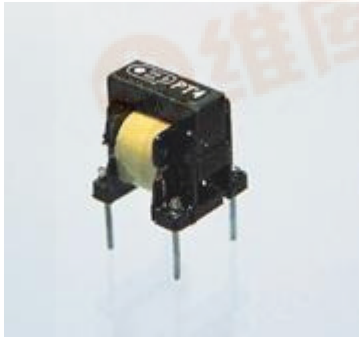
### SPECIFICATION

Proof voltage 2.8kV (PT42E 5.0kV)

Output voltage-time product 200V  $\mu$ sec

Max. output pulse current 200mA (peak)

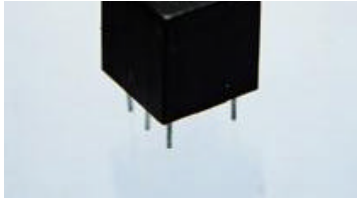
Bandwidth 3kHz – 1 MHz



Construction Single Section	Dip Varnish	Vacuum Impregnated	Encapsulated
Ratio	Part No.	Part No.	Part No.
1 : 1	PT 4	PT5	PT4E
1 : 1+1	PT 6	PT7	PT6E
1 : 1+1	PT103		
2 : 1	PT10	PT11	PT10E
2 : 1+1	PT8	PT9	PT8E
1 : 1+1/4			PT102
3 : 1	PT12		PT12E
8 : 1+1	PT601		
1 : 1 : 1	PT105		
2 SECTION		CLASS 2 INSULATION TO BS 415	
1 : 1			PT42E



Ratio	Lp (min)	L1 (typ) $\mu$ H	C (typ)pF	Rp (max)?	Rs (max) ?
1 : 1	3 mH	19	20	1.1	0.9
1 : 1+1	3 mH	8*	30*	1.4	2.6*
1 : 1+1	60 $\mu$ H				
2 : 1	12 mH	115	19	5.1	2.6
2 : 1+1	12 mH	30*	26*	4.0	4.2



1 : 1+1/4	20 mH
3 : 1	2.7 mH
8 : 1+1	30 mH
1 : 1 : 1	30 mH
1 : 1 (PT42E)	3mH

**DIMENSIONS & PIN LAYOUT**

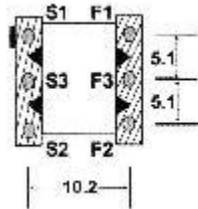
Body size excluding pins:

Open Type:

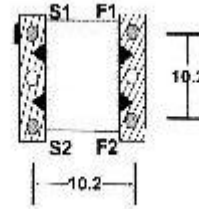
W13mm, H15mm, D13mm

Encapsulated Type:

W15mm, H16mm, D15mm



6 PIN VERSION



4 PIN VERSION

S1 – F1 Primary  
S2 – F2 Secondary  
S3 – F3 Secondary