



OXFORD ELECTRICAL PRODUCTS

audio transformers

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Miniature PCB Mounting

	Turns Ratio	Impedance		Max Power	d.c. resistance		Frequency Range	Dimensions W.H.D.	Part No.
		PRI	SEC		PRI	SEC			
	1:1 C.T.	800 Ω	800 Ω	2 mW	69	97	200Hz-15kHz	19 16 16	E187A
3.6:1+1	3 k Ω	250 Ω 250 Ω	5 mW	80	23+23	200Hz-15kHz	27 20 21	E187B	


Miniature Encapsulated Audio Input Transformer

	Part Number	Z1604
	Turns ratio	1:1 C.T.
	Impedance	600 Ω : 600 Ω C.T.
	Power handling	60Hz-25kHz 2mW/600 Ω for <1% THD at 60 Hz
	High quality, low distortion Mu-metal laminations	
	Frequency response at 2mW	60Hz - 25kHz \pm 0.5dB
	Frequency response at 0.2mW	30Hz - 25kHz \pm 0.7dB
	THD at levels below saturation typically < 0.02%	
	Fully encapsulated, flame retardant epoxy resin within glass filled nylon case for maximum environmental and mechanical protection.	
	Insulation greater than 1.5kV rms	
Return loss better than 19dB 300Hz-3.4kHz		

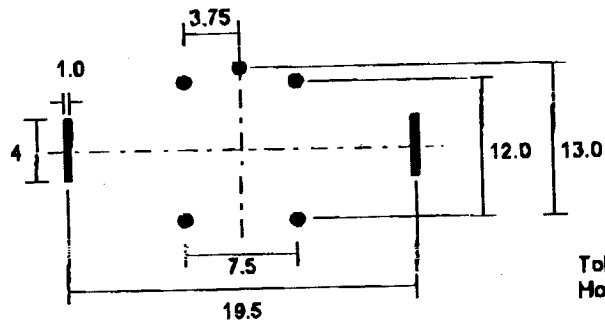
100V Line

A range of transformers designed to match loudspeakers to the 100V line output of a 'public announcement' amplifier.

Available as a universal type to suit 4, 8 or 16? speakers, and incorporating taps to deliver 1, 2, 5, 15 or 30W and in fixed power ratings of 2W, 5W & 10W suitable for 8? speakers.

	Part No	Type	Width	Height	Depth	Weight(g)	Fixing Centre
	B18A001F	2W Ω	43	36	33	190	52x4BA
	P74A001F	5W Ω	50	41	36	300	59X2BA
	N35A001F	10W Ω	57	48	43	460	71X2BA
	D29A100	Universal	79	65	62.5	900	92X2BA

2106368



Overall transformer dimensions
 H = 17.0 (excluding pins)
 D = 16
 W = 20.5

Tolerance on all hole positions $\pm 0.5\text{mm}$
 Hole dia. 1mm

Specification.

Primary inductance 1.97H
 Primary resistance 63 ohms
 Secondary inductance 0.49H & 1.97H
 Secondary resistance 42 ohms & 84 ohms



OXFORD ELECTRICAL PRODUCTS
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DESCRIPTION	
Pin position drawing for E187A (Farnell 177-893)	
Scale: NTS	
All Dimensions in mm Unless Stated Otherwise	

ISSUE	DATE	DRAWN	CHECKED
1	29/7/94	PJM	
2	29/7/94	PJM	
3	30/8/97	PCG	
4			

DRAWING NUMBER
E187A