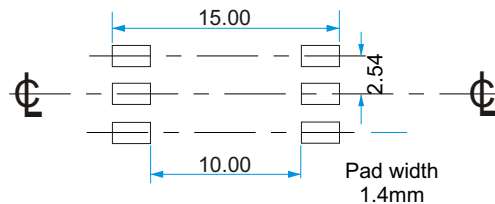
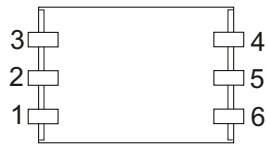
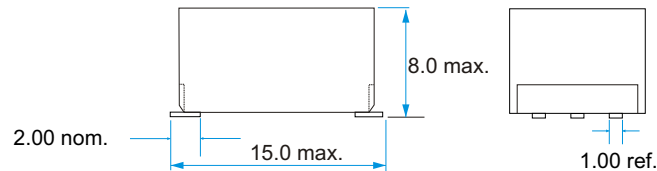
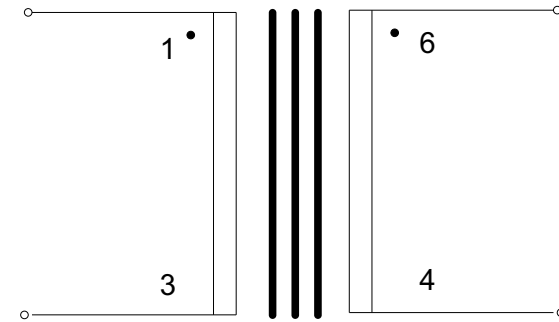


Part number  
YYWW = date code



Suggested PCB layout



Electrical schematic

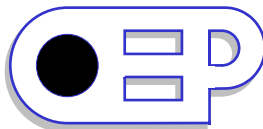
**Electrical specification:**

Ratio: 1 to 1  
 DC resistance (sum of windings): 191 - 258  
 Designed for matching 600  
 Parallel inductance, pins 1 - 3: see page 3  
 Leakage inductance: (10mVrms, 1kHz) pins 6-4 S/C: 4.9mH max.  
 Return loss: (ref. 430 ohms) see graph on page 2  
 Insertion loss: (ref. 600 ohms, 2kHz): 2dB max.  
 (ref. 430 ohms, 2kHz): 4dB max.  
 Frequency response: 200 - 4kHz: +/- 0.2dB  
 Longitudinal balance: 200Hz - 4kHz: 80dB min.  
 Turns ratio (@ 6kHz, 0.1Vrms), pins 1 - 3 to 6 - 4: 1.00 +/-1%  
 Distortion: see page 3  
 Saturation: 10Vrms max. @ 250VRMS, 50/60Hz  
 Hi-pot, primary to secondary: 5500VDC, 1mA for 2 seconds  
 Operating temperature range: -20 to +85°C  
 Storage temperature range: -40 to +125°C

Certified to EN60950-1: 2001

RoHS process compliant.

**Note: Do not pass DC current through windings.**

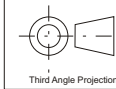


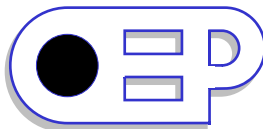
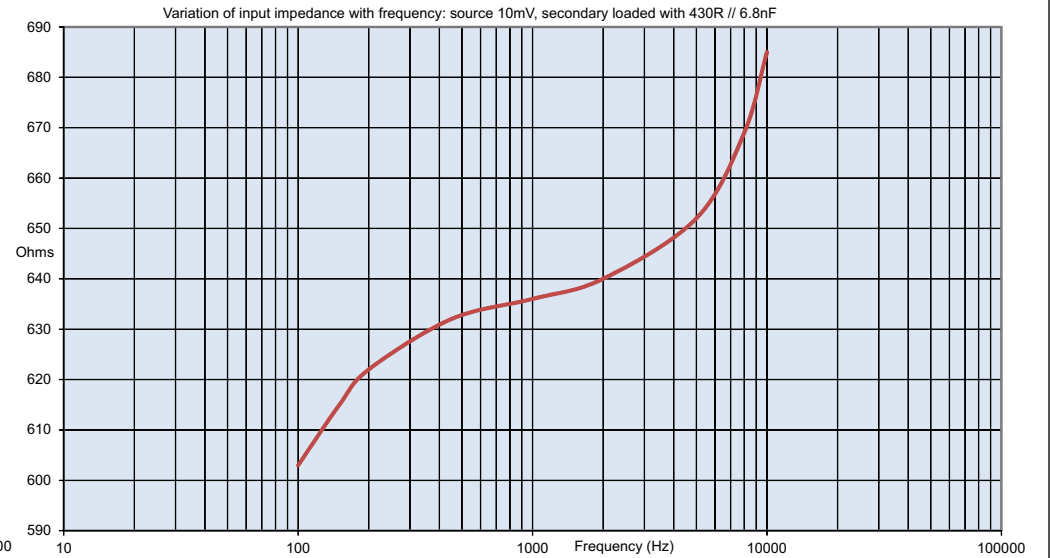
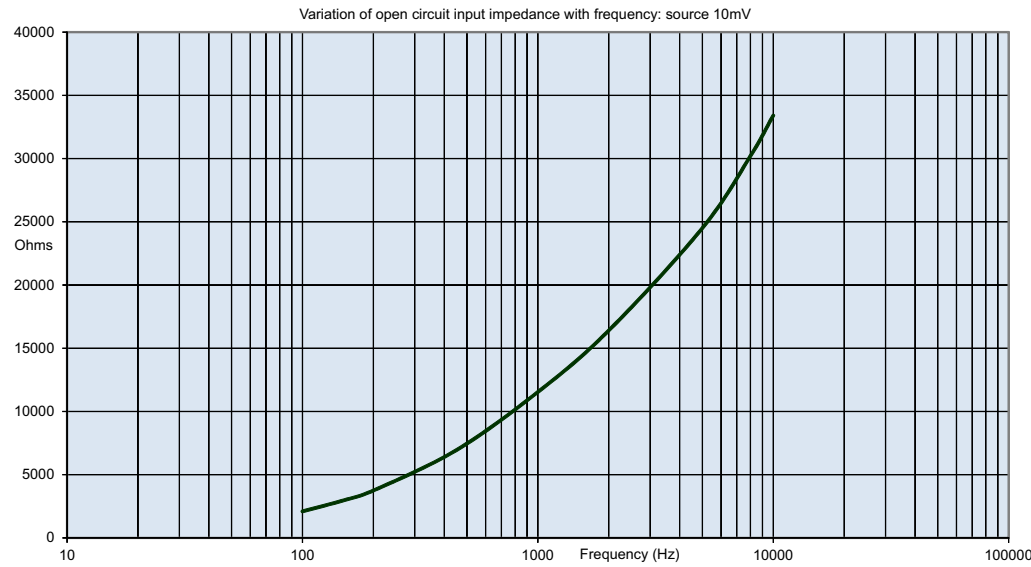
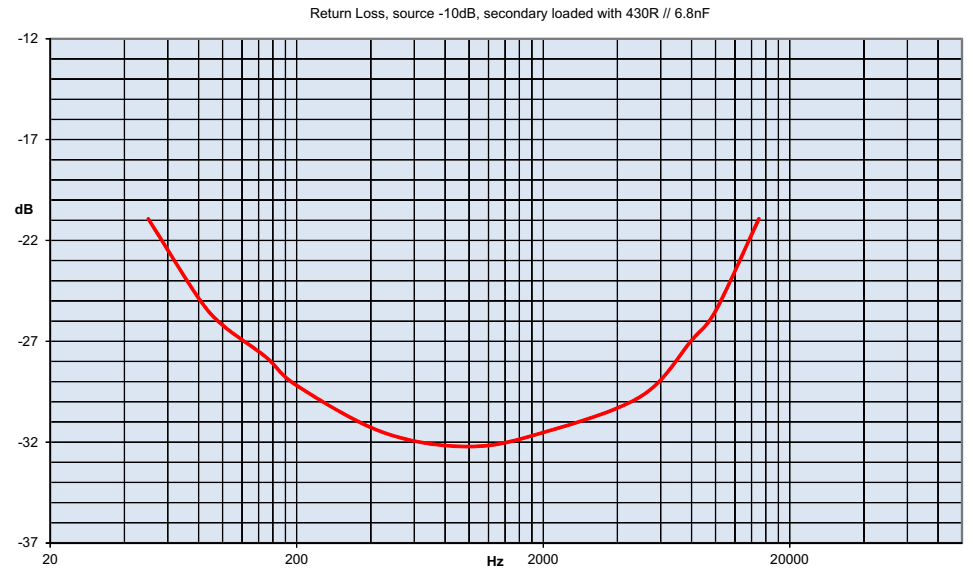
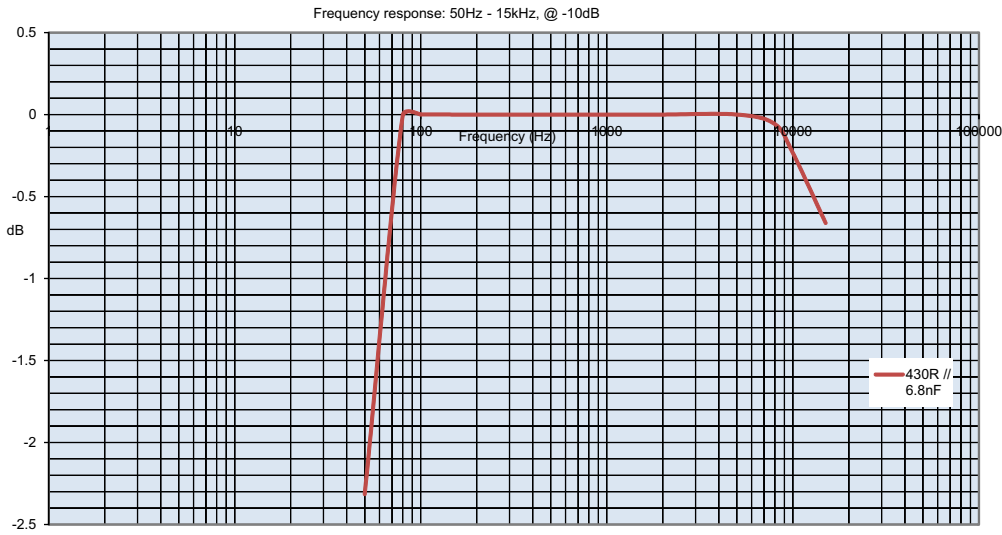
Unit 5, Oxonian Park, Langford Locks,  
 Kidlington, Oxfordshire. OX5 1FP  
 Tel: (01865) 855085 Fax: (01865) 855075  
 Website: [www.oep.co.uk](http://www.oep.co.uk)

DESCRIPTION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
Specification for OEP8000 page 1 of 3	1	29/04/04	CS		<b>OEP8000</b>
	10	10/04/14	CS		
	11	12/02/18	CS		
	12	05/06/19	CS		

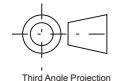
Scale: nts

All dimensions in mm unless stated otherwise



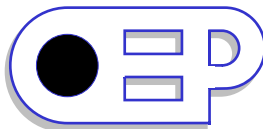
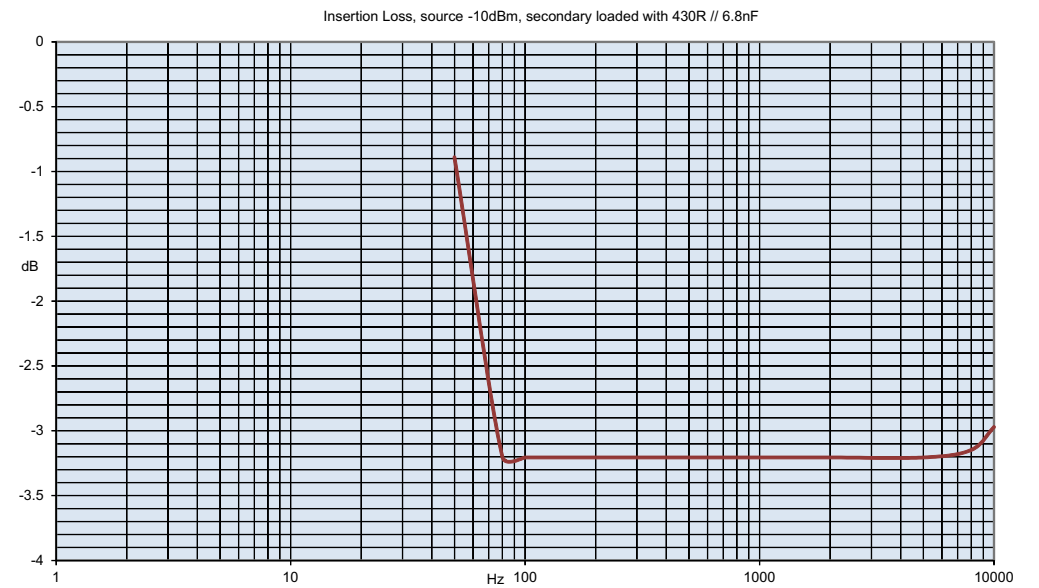
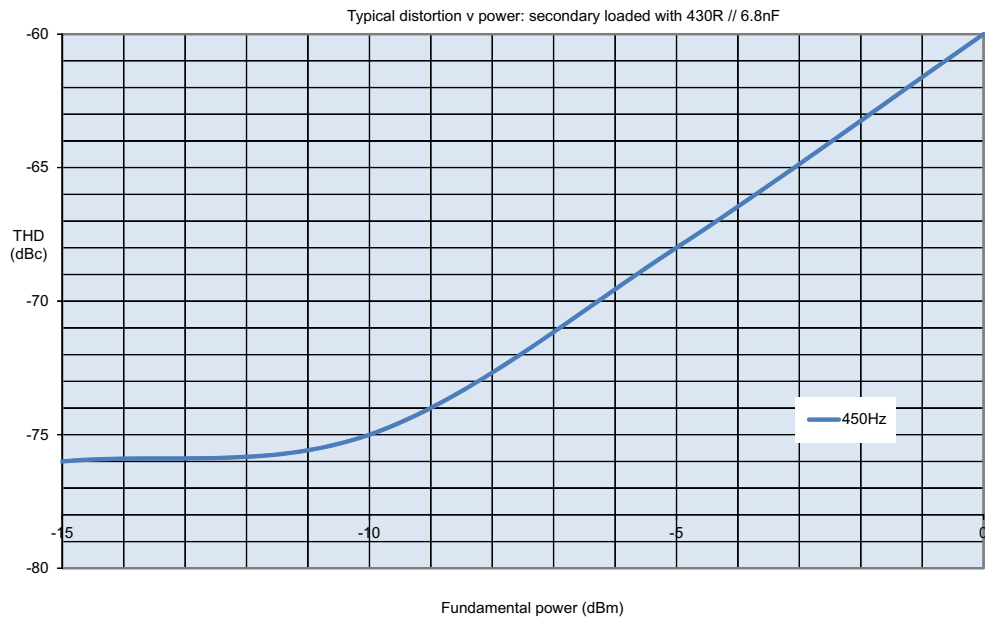
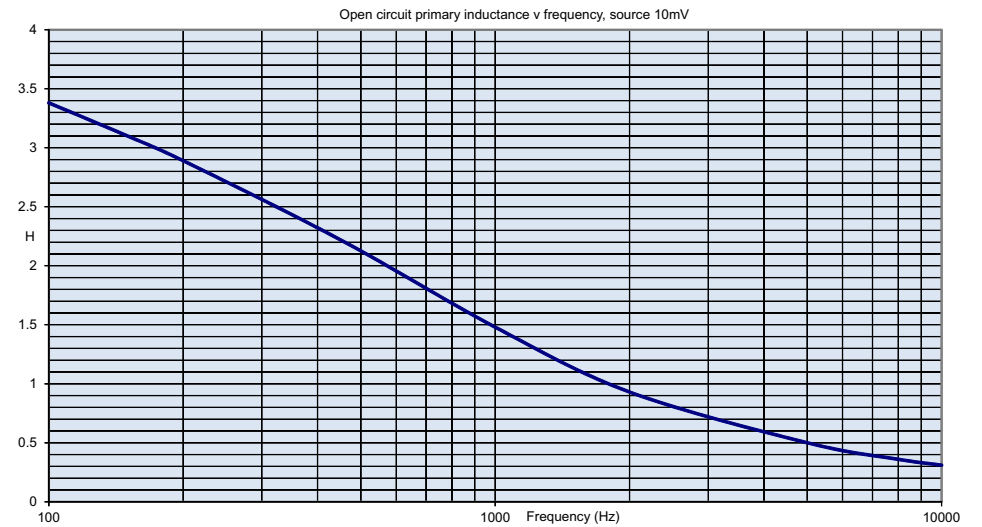
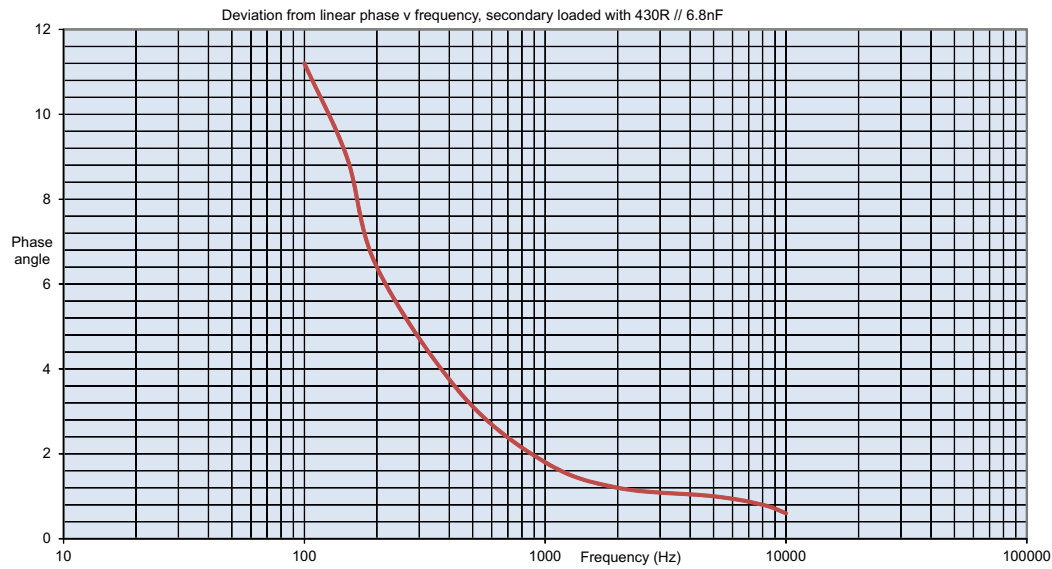


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DESCRIPTION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
Specification for OEP8000 page 2 of 3 	1	29/04/04	CS		<b>OEP8000</b>
	10	10/04/14	CS		
	11	12/02/18	CS		
	12	05/06/19	CS		

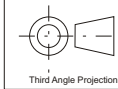
Scale: nts

All dimensions in mm unless stated otherwise



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**DESCRIPTION**  
Specification for OEP8000  
page 3 of 3



Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	29/04/04	CS		<b>OEP8000</b>
10	10/04/14	CS		
11	12/02/18	CS		
12	05/06/19	CS		