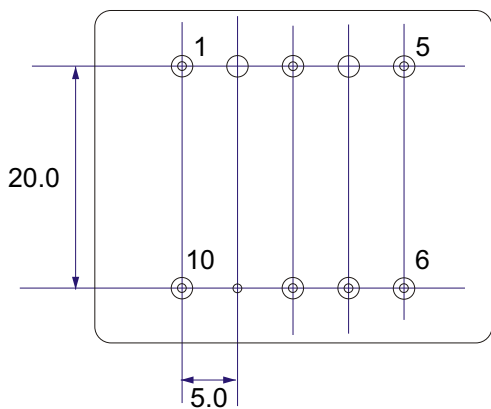
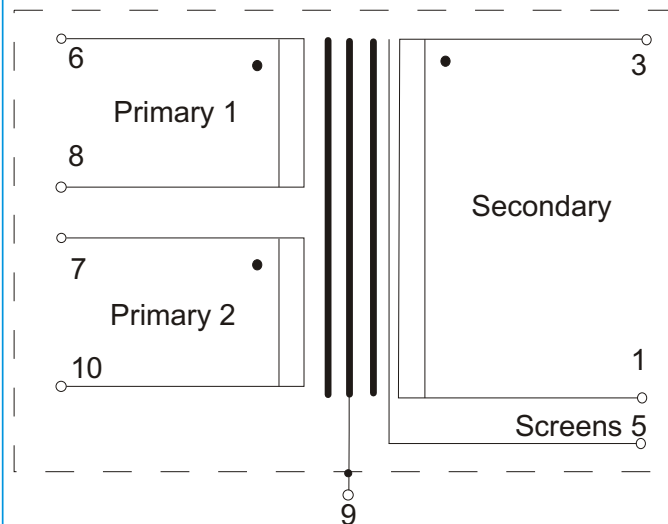
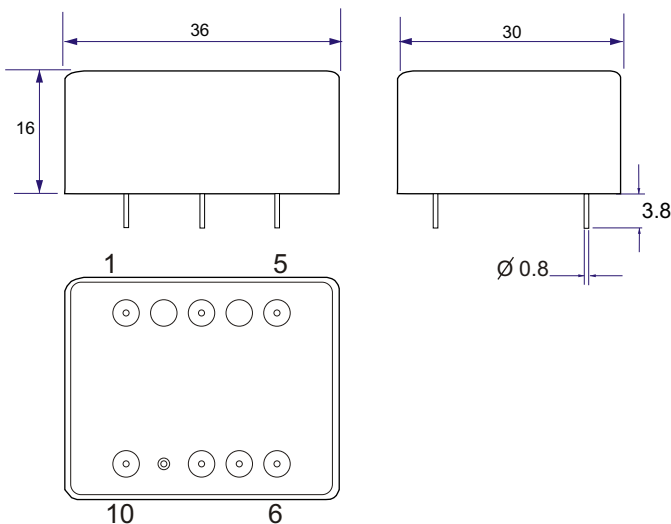
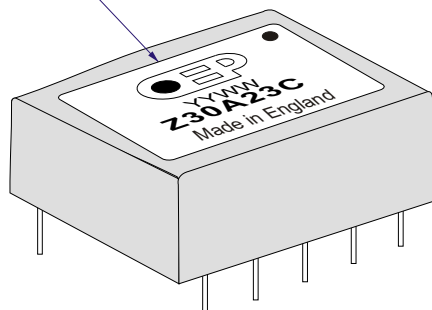




YY WW = date code



Pin view (underneath)

Mass = 0.062kg  
 Pin diameter = 0.80mm  
 Tolerance on can dimensions: +/- 0.5mm

**Specification:**

Ratio: 1+1 to 5  
 Impedance: 150 (primaries in parallel), 600 (primaries in series)  
 Voltage gain @ 1kHz, -10dBu:  
     source 150 : 13.52dBu (typ.) (wired 1 to 5)  
     source 600 : 7.5dBu (typ.) (wired 1 to 2.5)  
 Max input @ 20Hz (1% max. THD): -6dBu, primaries in parallel  
     :0dBu primaries in series  
 DC resistance ( +/-15%):  
 Primaries in parallel): 20.4  
 Secondary DC resistance : 914  
 Leakage inductance (3 - 1) @ 1kHz, 1V: 2.3mH (typ.) (6, 7, 8, 10 S/C)  
 Interwinding capacitance (10kHz-300kHz):  
 Primaries to secondary: 8pF max. (can & screens grounded)  
 Primary 1 to secondary: 145pF (typ.) (screens unterminated)  
 Primary 2 to secondary: 145pF (typ.) (screens unterminated)  
 Secondary to can: 70pF (typ.)

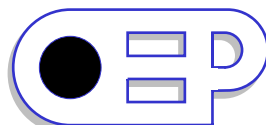
**Hi-Pot tests:**

Primaries to secondary: 500VAC for 2 seconds  
 Windings to screens/core: 500VAC for 2 seconds

**Features:**

Twin primaries for 150 or 600 matching  
 Galvanic isolation (500VDC)  
 Low profile @ 16mm above PCB  
 Wound with multiple electrostatic screens  
 Low distortion Mu-metal core  
 Mu-metal screening can reduce electrical noise by up to 30dB

Operating temperature range: 0 to +70°C  
 Storage temperature range: -25°C to +120°C



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



Scale: nts

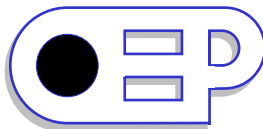
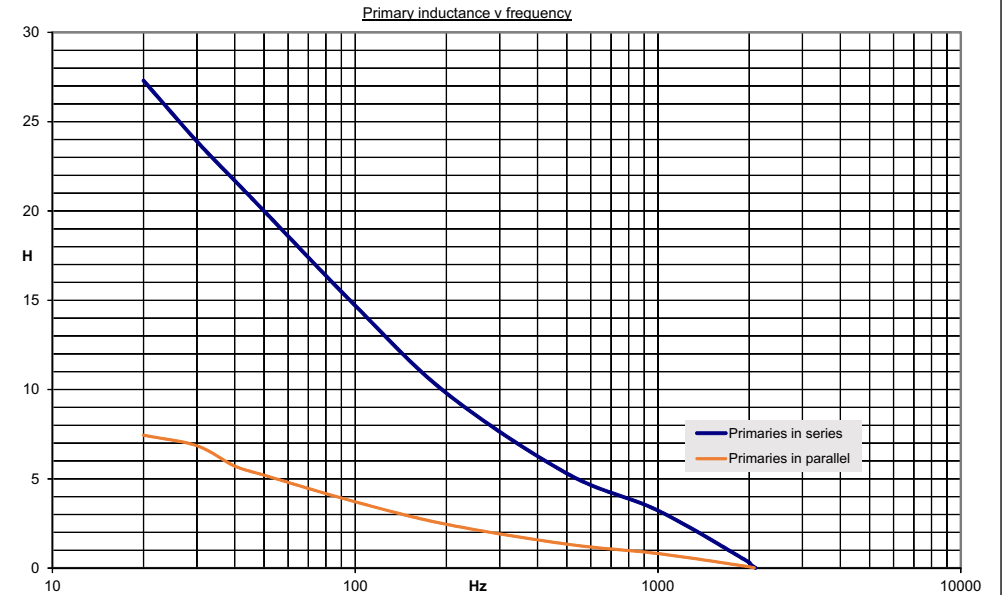
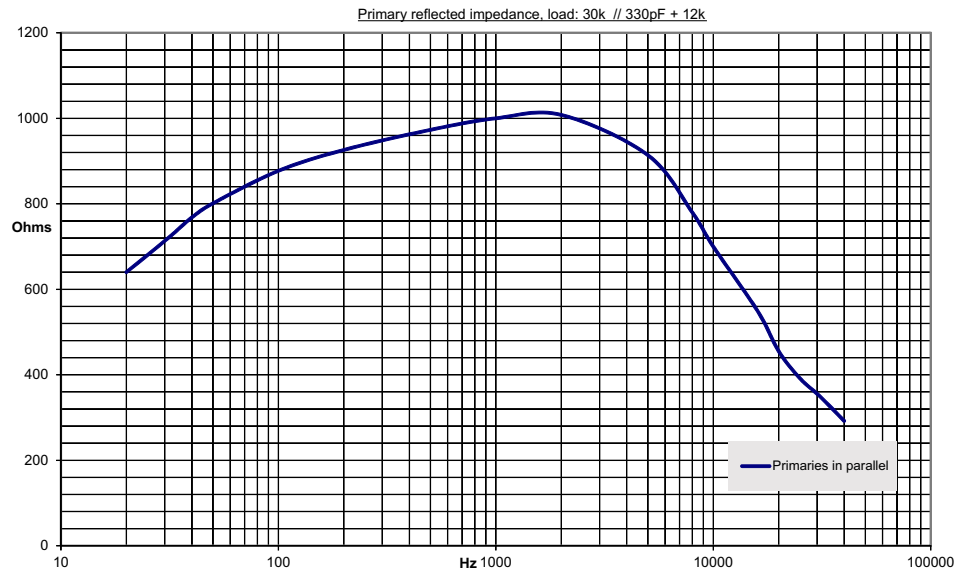
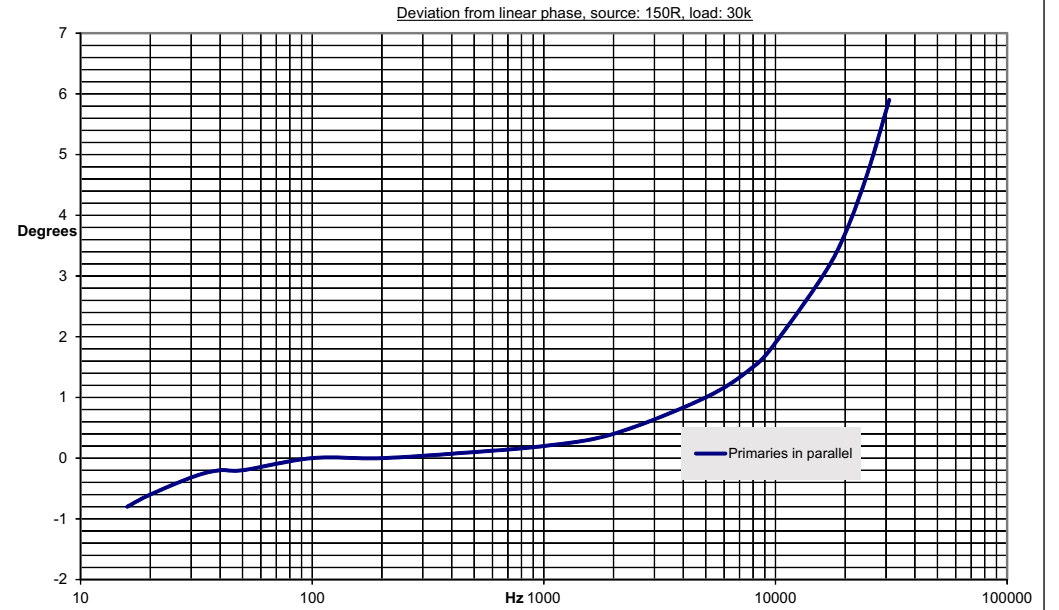
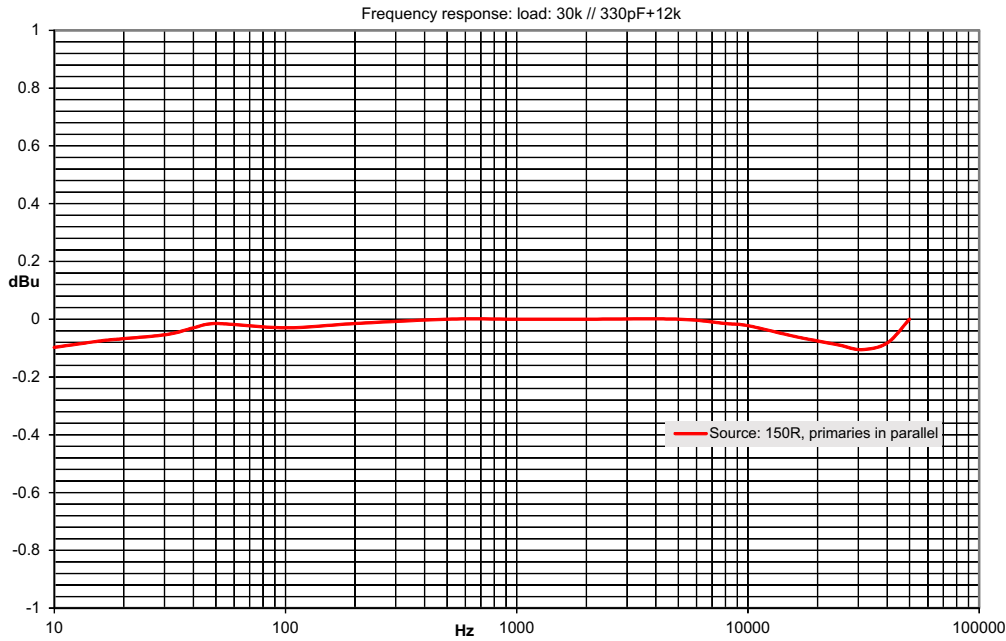
**DESCRIPTION**

1+1 to 5 step up microphone input transformer  
 page 1 of 3

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	10/09/15	CS		<b>Z30A23C</b>
2	16/03/16	CS		
3	12/09/19	CS		
4	17/01/24	CS		

# Primaries in parallel

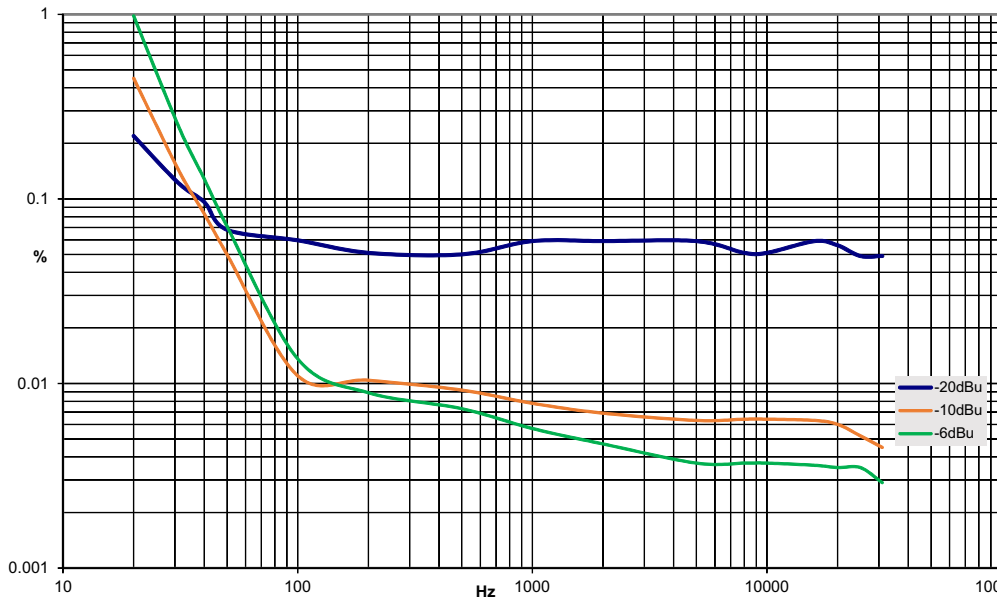


Unit 5, Oxonian Park, Langford Locks,  
Kidlington, Oxfordshire. OX5 1FP  
Tel: (01865) 855085 Fax: (01865) 855075  
Website: [www.oep.co.uk](http://www.oep.co.uk)

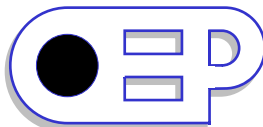
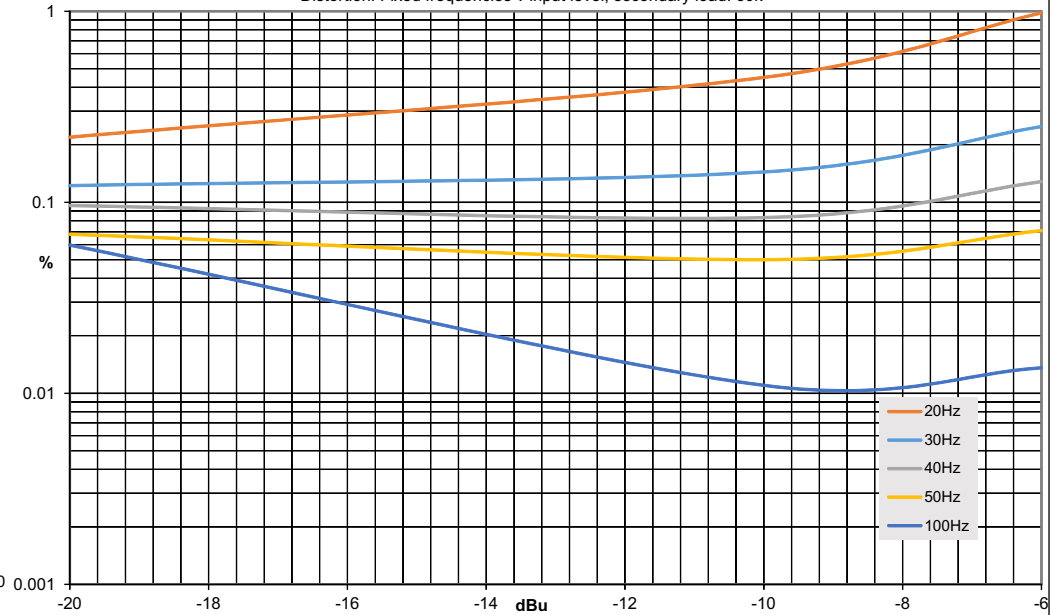
DESCRIPTION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1+1 to 5 step up microphone input transformer page 2 of 3	1	10/09/15	CS		<b>Z30A23C</b>
	2	16/03/16	CS		
	3	12/09/19	CS		
	4	17/01/24	CS		
Scale: n/a	All dimensions in mm unless stated otherwise				

# Primaries in parallel

Distortion v frequency, secondary load: 30k



Distortion: Fixed frequencies v input level, secondary load: 30k



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Scale: n/a

All dimensions in mm unless stated otherwise

DESCRIPTION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1+1 to 5 step up microphone input transformer page 3 of 3	1	10/09/15	CS		<b>Z30A23C</b>
	2	16/03/16	CS		
	3	12/09/19	CS		
	4	17/01/24	CS		