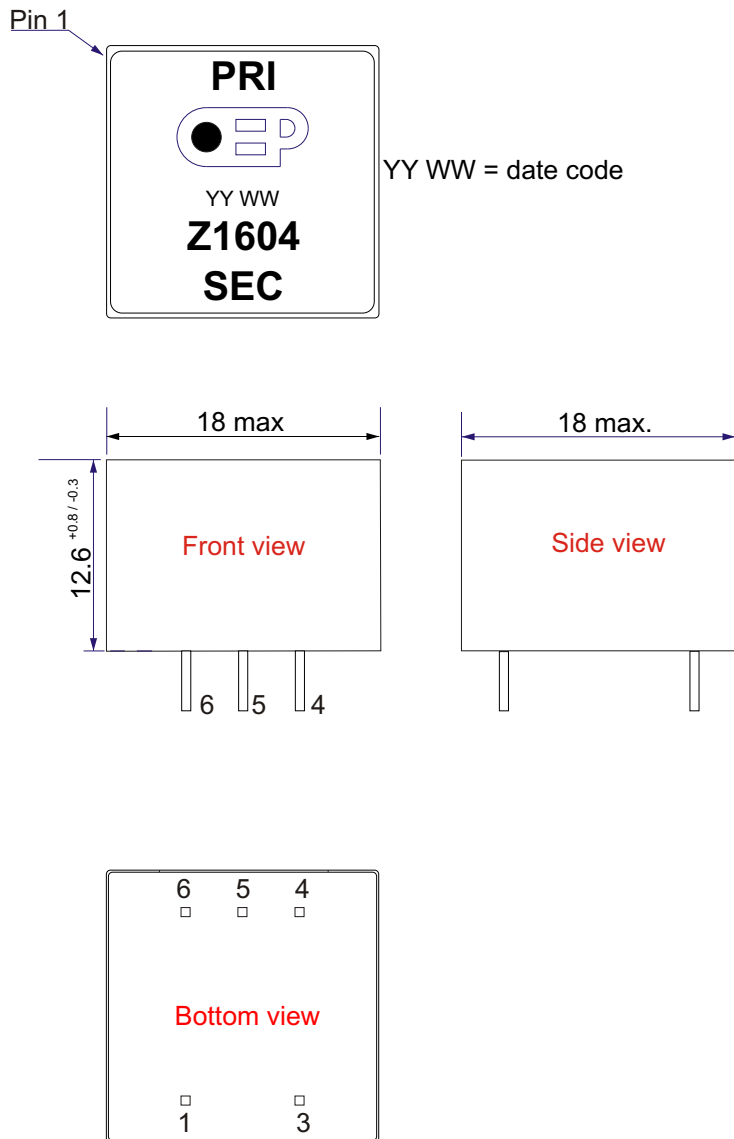
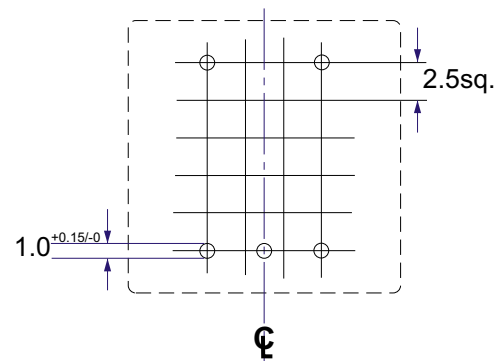
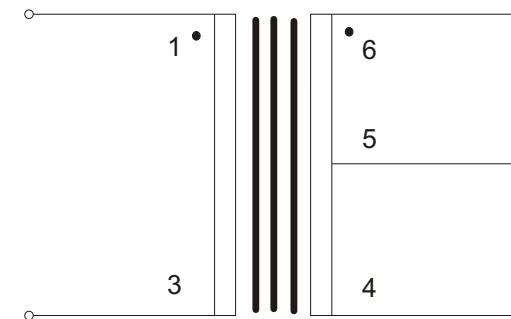




PCB layout



Tolerance on all hole positions $\pm 0.2\text{mm}$
Pin diameter = 0.6mm



• = electrical start
Electrical schematic

Specification:

Turns ratio: 1:1 centre tapped

DC resistance ($\pm 15\%$):

Primary: 109

Total secondary: 134

Impedance matching:

600 to 600 centre tapped

Power handling:

60Hz - 25kHz 2mW/600 for $<1\%$ THD at 60Hz

Frequency response at 2mW: 60Hz - 25kHz $\pm 0.5\text{dB}$

Frequency response at 0.2mW: 30Hz - 25kHz $\pm 0.7\text{dB}$

THD at levels below saturation typically $<0.02\%$

Return loss better than 19dB, 300Hz - 3.4kHz

Inductance (@ 100Hz, 0.27V) series equivalent

Primary: 7H min.

Secondary: 1.79H min. + 1.79H min.

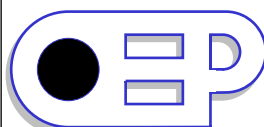
Hi-pot, primary to secondary: 2kVAC for 2 seconds

Operating temperature range: -20°C to $+75^{\circ}\text{C}$

Storage temperature range: -40°C to $+125^{\circ}\text{C}$



Tolerance on all dimensions ± 0.3 unless stated otherwise

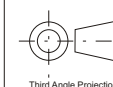


Unit 5, Oxonian Park, Langford Locks,
Kidlington, Oxfordshire. OX5 1FP
Tel: (01865) 855085 Fax: (01865) 855075
Website: www.oep.co.uk

DESCRIPTION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1 to 1 C.T. 600 audio transformer page 1 of 2	1	04/07/02	CS		Z1604
	12	13/05/15	CS		
	13	04/08/15	CS		
	14	17/08/15	CS		

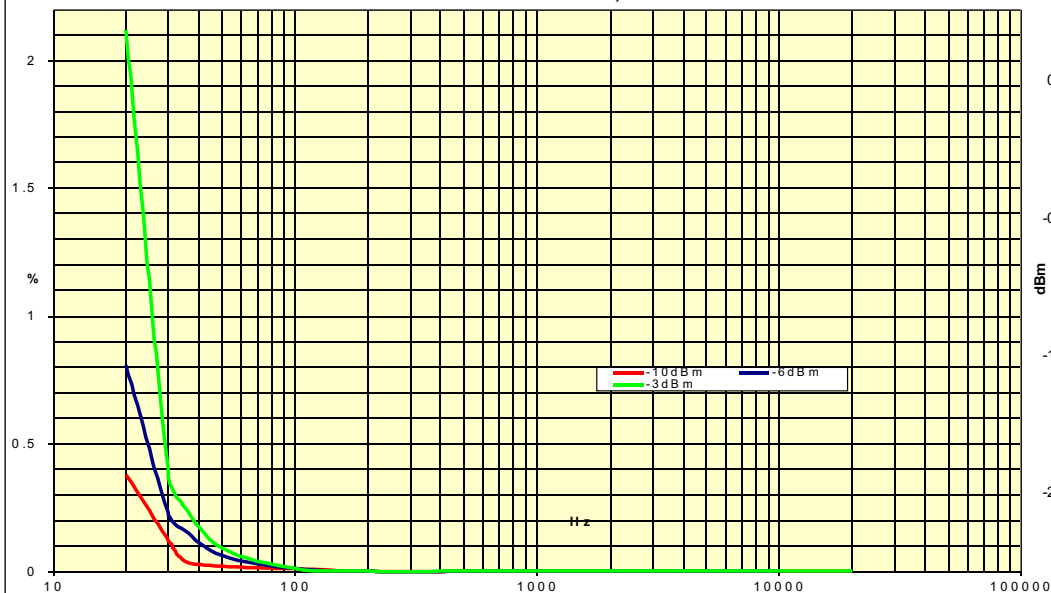
Scale: 2 to 1

All dimensions in mm unless stated otherwise

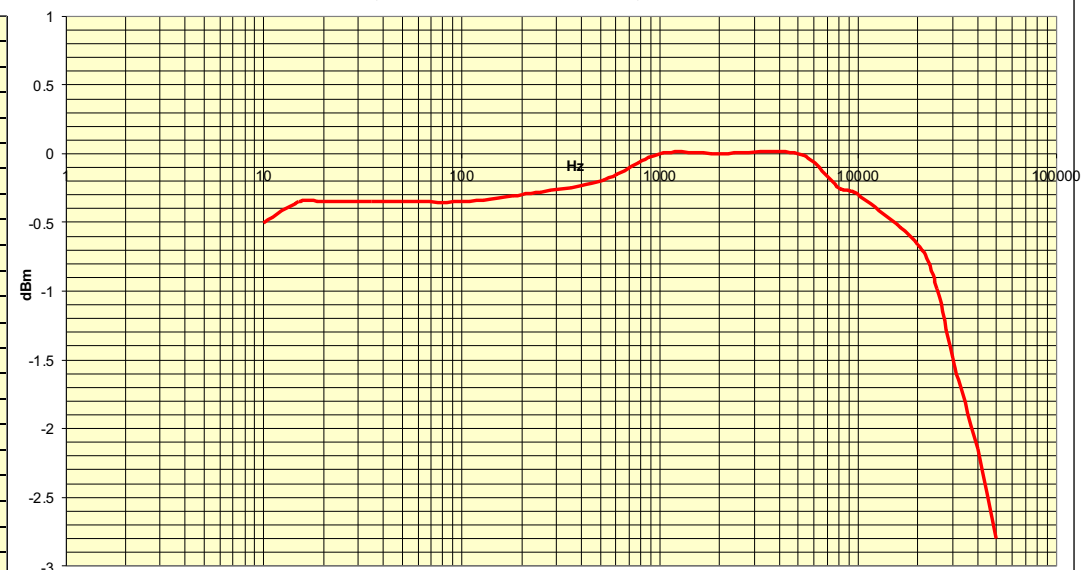


Third Angle Projection

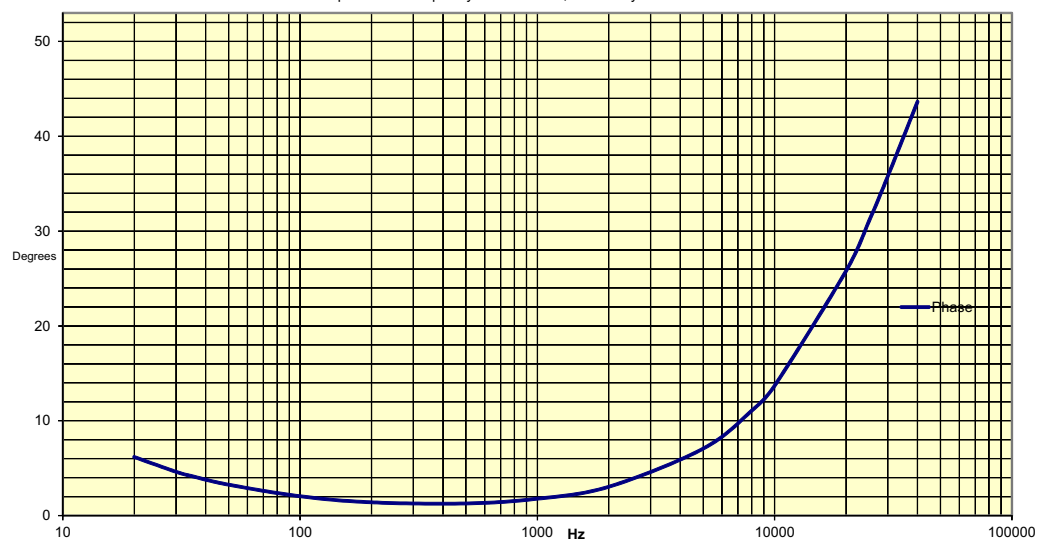
Distortion: secondary loaded with 600R



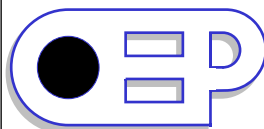
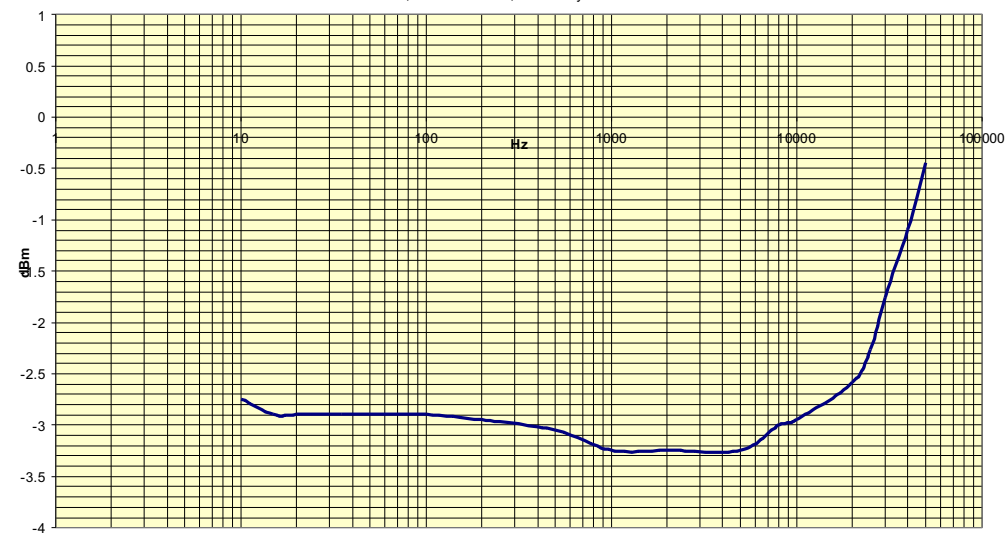
Frequency response, source: -10dBm, secondary loaded with 600R



Variation of phase with frequency: level -10dBu, secondary loaded with 600R



Insertion Loss, source -10dBm, secondary loaded with 600R



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DESCRIPTION

1:1 C.T. 600 audio transformer
page 2 of 2

Scale: 2 to 1

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	04/07/02	CS		Z1604
12	13/05/15	CS		
13	04/08/15	CS		
14	17/08/15	CS		