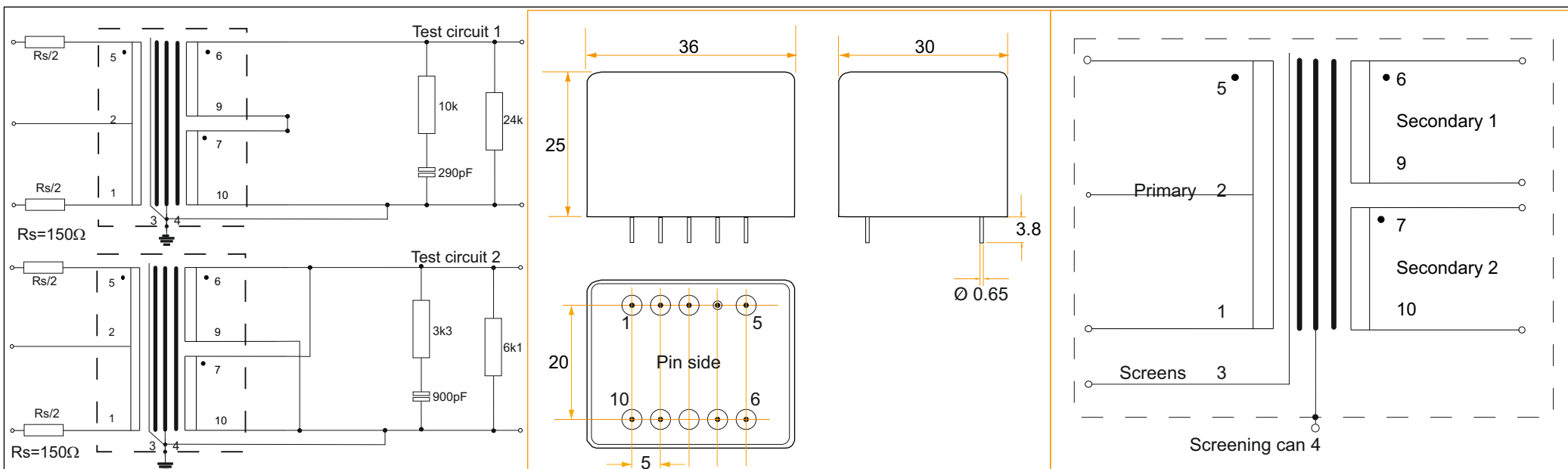




Specification: test circuit 1

Turns ratio: 1 C.T. to 4

DC resistance (Ω +/-15%)

Primary (5 - 1): 24

Secondary (6 - 10): 506 (7+9 linked)

Input impedance (Ω): 1.47k (typ.) @ 1kHz

Output impedance (Ω): 3.28k Ω (typ.) @ 1kHz

Voltage gain @ 1kHz, 0dBu: 10.84dBu (typ.)

Maximum input @ 20Hz, <1% THD: 8dBu (typ.)

Insertion loss: 0.3dB (typ.)

Leakage inductance (6 - 10) @ 1kHz: = 9.7mH (typ.)

Capacitance @ 10kHz, 0.1V:

C_{p-s} : 225pF (typ.) or 5pF (typ.) with screen earthed

C_{p-scr} : 100pF (typ.)

C_{s-scr} : 170pF (typ.)

Specification: test circuit 2

Turns ratio: 1 C.T. to 2

DC resistance (Ω +/-15%)

Primary (5 - 1): 24

Secondary (6+7) - (9+10): 127 (windings in parallel)

Input impedance (Ω): 1.50k (typ.) @ 1kHz

Output impedance (Ω): 821 Ω (typ.) @ 1kHz

Voltage gain @ 1kHz, 0dBu: 4.9Bu (typ.)

Maximum input @ 20Hz, <1% THD: +8dBu

Insertion loss: 0.8dB (typ.)

Leakage inductance (6 - 10) @ 1kHz: 9.7mH (typ.)

(6+7) - (9+10): 2.4mH (typ.)

Capacitance @ 10kHz, 0.1V:

C_{p-s} : 225pF (typ.) or 5pF (typ.) with screen earthed

C_{p-scr} : 100pF (typ.)

C_{s-scr} : 170pF (typ.)

Applications:

High performance microphone input transformer
Input +8dBu max (20Hz) <1%THD

Fitted with multiple electrostatic screens
Low distortion Mu-metal core

Mu-metal screening can reduces electrical noise
by up to 30dB

Hi-pot, primary to secondaries: 500VDC
Windings to screens+can: 500VDC

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

Mass = 0.11kg
Tolerance on can dimensions: +/- 0.5mm



vigortronix

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Tel: +44 (0)1993 777570
Fax: +44 (0)1993 777580

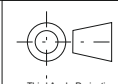
www.vigortronix.com



Scale: nts

DESCRIPTION

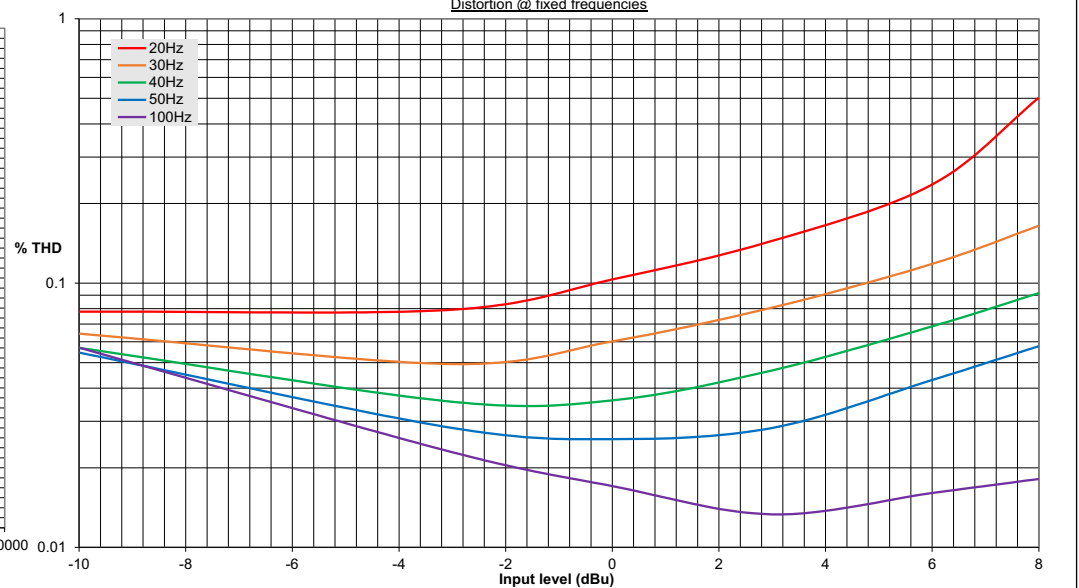
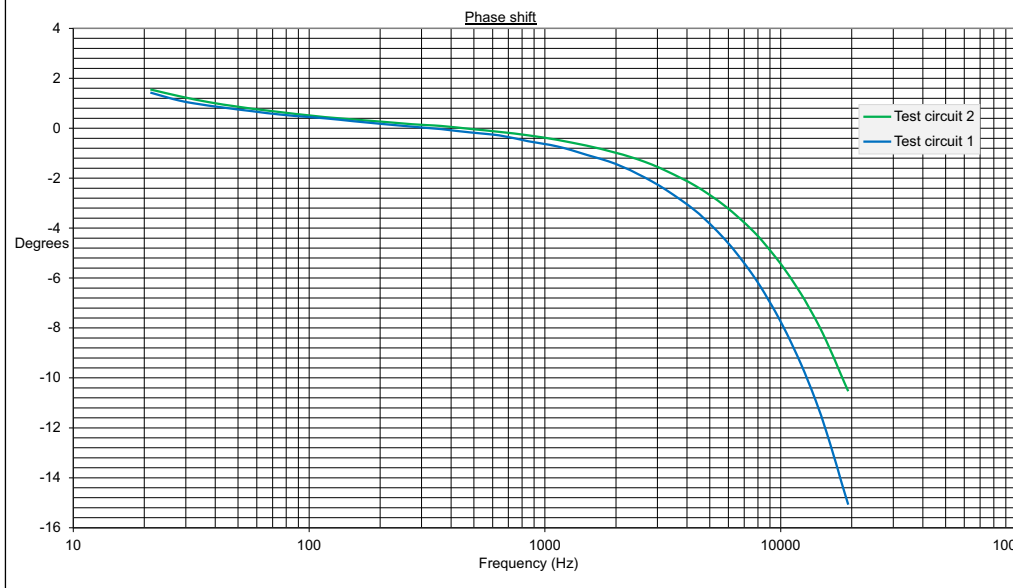
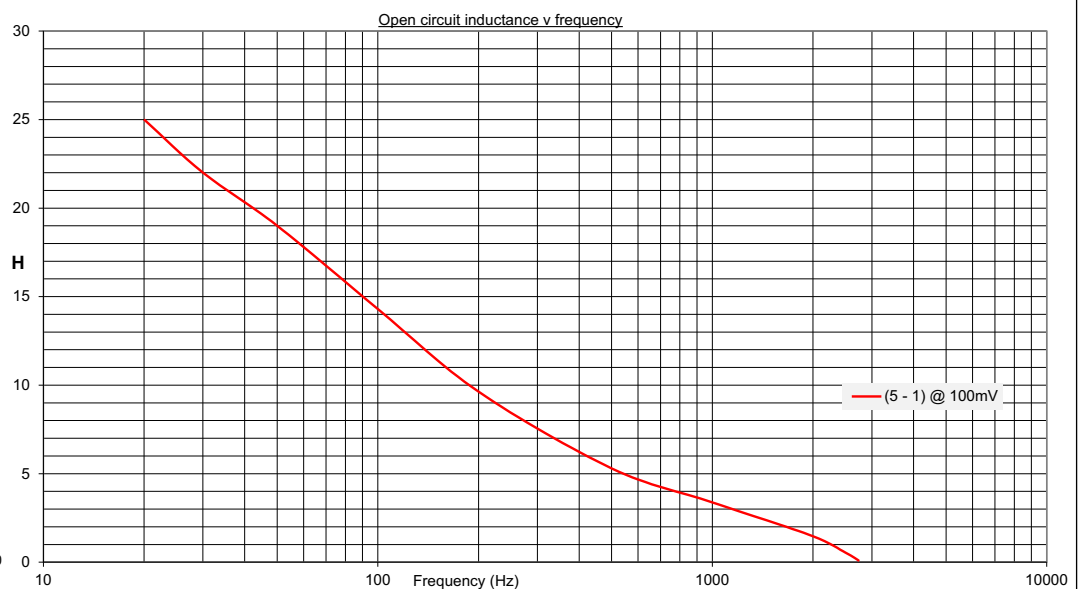
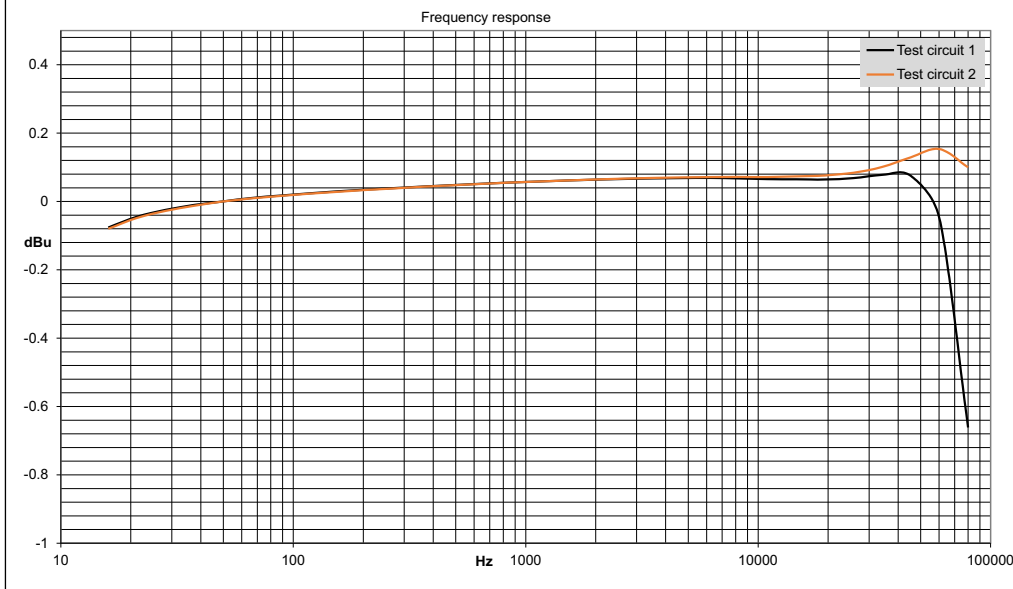
150 Ω microphone input transformer
1 C.T. to 2 + 2
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	13/11/24	CS		VTX-MIC12
2	15/04/25	CS		



 Vigortronix VIGORTRONIX LTD 16 De Havilland Way Windrush Park, Witney Oxon, OX29 0YG, UK Tel: +44 (0)1993 777570 Fax: +44 (0)1993 777580 www.vigortronix.com	DESCRIPTION		ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
	150Ω microphone input transformer 1 C.T. to 2 + 2 page 2 of 2	1	13/11/24	CS		VTX-MIC12	
		2	15/04/25	CS			
	Scale: nts	All dimensions in mm unless stated otherwise					