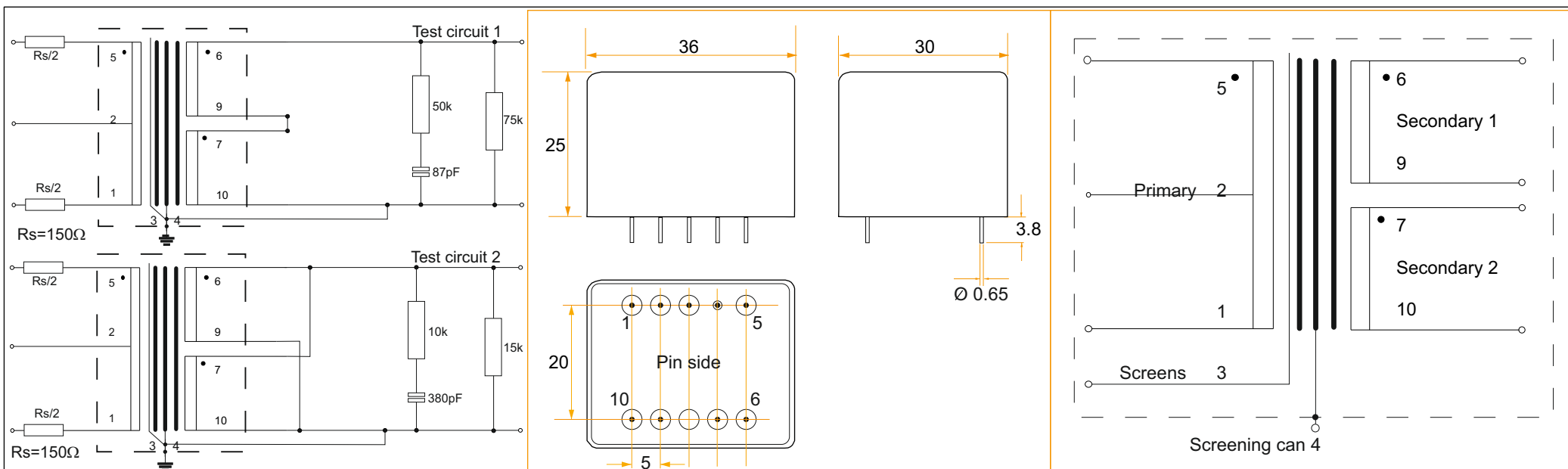




Specification: test circuit 1

Turns ratio: 1 C.T. to 7

DC resistance (Ω +/-15%)

Primary (5 - 1): 21

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

Input impedance (Ω): 1.49k (typ.) @ 1kHz

Output impedance (Ω): 9.7k Ω (typ.) @ 1kHz

Voltage gain @ 1kHz, 0dBu: 15.5dBu (typ.)

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

Insertion loss: 0.2dB (typ.)

Leakage inductance (5 - 1) @ 1kHz: 630uH (typ.)

Capacitance @ 10kHz, 0.1V:

C_{p-s} : 120pF (typ.) or 5pF (typ.) with screen earthed

C_{p-scr} : 210pF (typ.)

C_{s-scr} : 270pF (typ.)

Specification: (test circuit 2)

Turns ratio: 1 C.T. to 3.5

DC resistance (Ω +/-15%)

Primary (5 - 1): 21

Secondary (6+7) - (9+10): 318 (windings in parallel)

Input impedance (Ω): 1.21k (typ.) @ 1kHz

Output impedance (Ω): 2.4k Ω (typ.) @ 1kHz

Voltage gain @ 1kHz, 0dBu: 9.5dBu (typ.)

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

Insertion loss: 0.3dB (typ.)

Leakage inductance (6 - 10) @ 1kHz: 29mH (typ.)
(6+7) - (9+10): 8mH (typ.)

Capacitance @ 10kHz, 0.1V:

C_{p-s} : 120pF (typ.) or 5pF (typ.) with screen earthed

C_{p-scr} : 210pF (typ.)

C_{s-scr} : 270pF (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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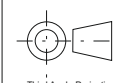
www.vigortronix.com



Scale: nts

DESCRIPTION

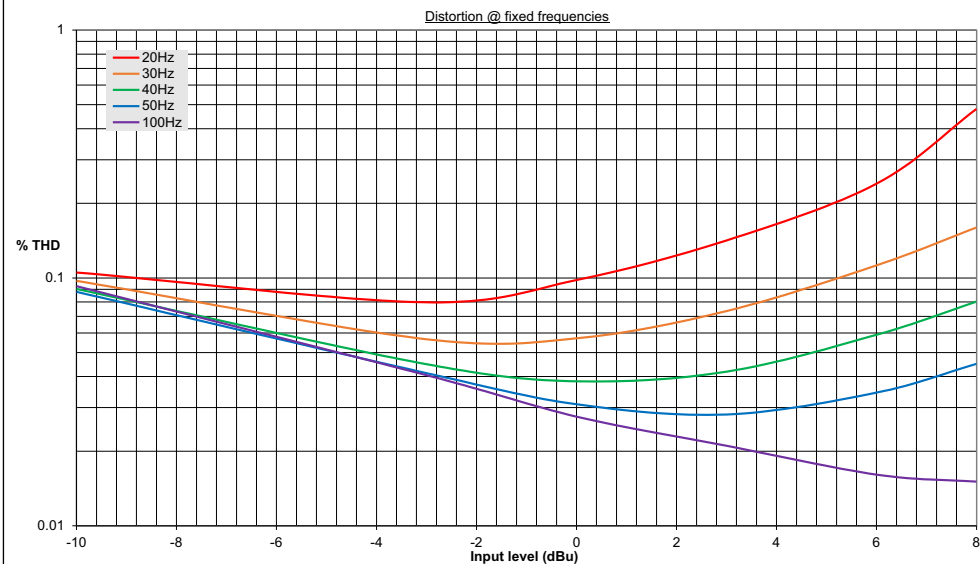
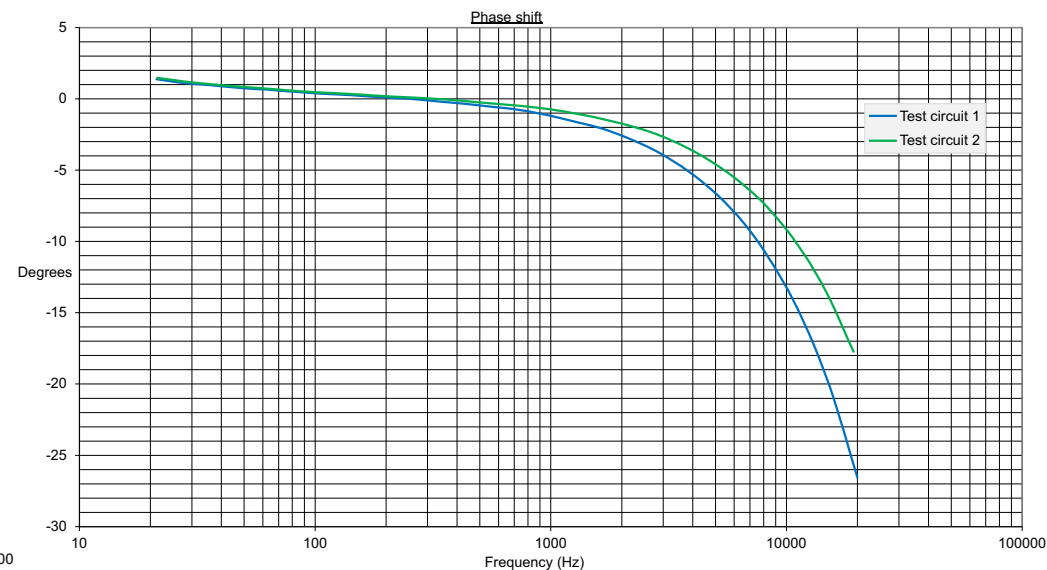
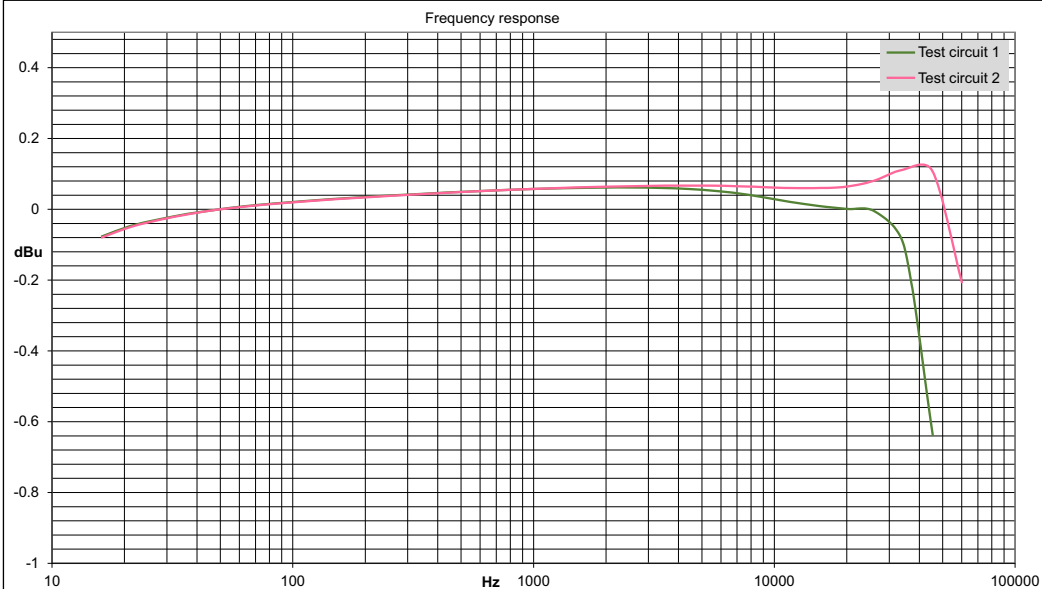
150 Ω microphone input transformer
1 C.T. to 3.5 + 3.5
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	11/11/24	CS		VTX-MIC13
2	17/04/25	CS		



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DESCRIPTION

150 Ω microphone input transformer
1 C.T. to 3.5 + 3.5
page 2 of 2

Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	11/11/24	CS		VTX-MIC13
2	17/04/25	CS		