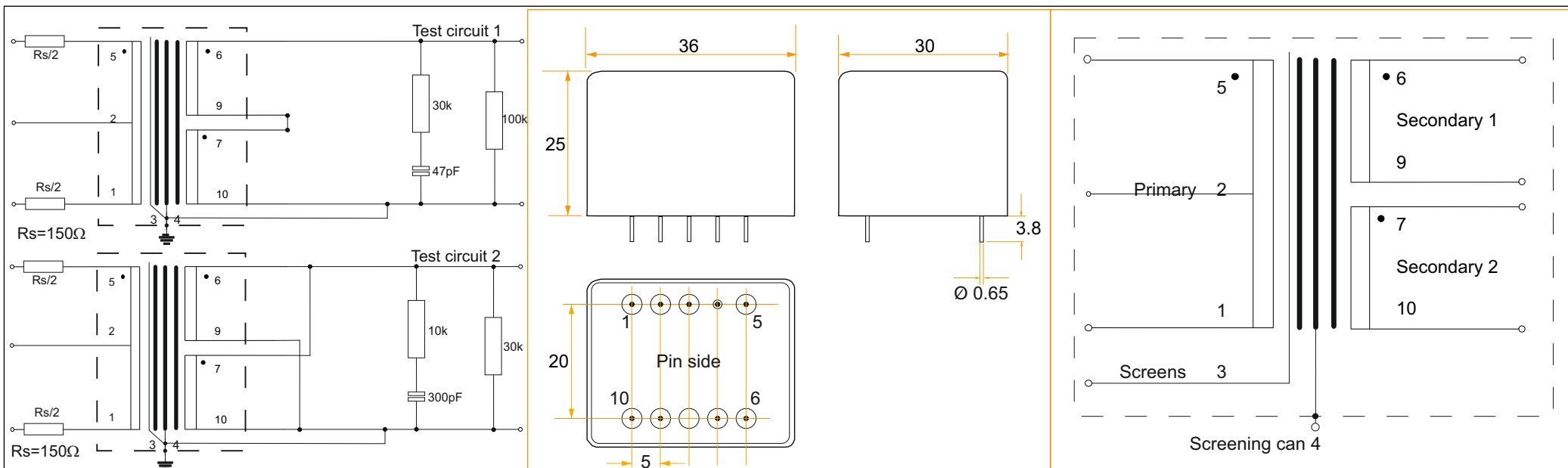




Specification (test circuit 1):

Turns ratio: 1 C.T. to 4

Optimum source impedance: 150 Ω

DC resistance (Ω +/- 15%)

Primary: 23

Secondary: 433

Input impedance (Ω): 1.57k (typ.) @ 1kHz

Output impedance (Ω): 3.23k (typ.) @ 1kHz (150 Ω load)

Voltage gain @ 1kHz, 0dBu: 11.06dBu (typ.)

Maximum input @ 20Hz, 150 Ω , <1% THD: +8dBu

Insertion loss: 0.2dB (typ.)

Leakage inductance (6/7 - 9/10) @ 1kHz: 9.9mH (typ.)

Capacitance @ 10kHz, 0.1V:

C_p -s: 110pF (typ.) or 5pF (typ.) with screen earthed

C_p -scr: 250pF (typ.)

C_s -scr: 180pF (typ.)

Specification (test circuit 2):

Turns ratio: 1 C.T. to 8 C.T.

Optimum source impedance: 150 Ω

DC resistance (Ω +/- 15%)

Primary: 23

Secondary (1+2): 1745

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

Output impedance (Ω): 12.9k (typ.) @ 1kHz (150 Ω load)

Voltage gain @ 1kHz, 0dBu: 17.0dBu (typ.)

Maximum input @ 20Hz, 150 Ω , <1% THD: +8dBu

Insertion loss: 0.3dB (typ.)

Leakage inductance (6 - 10) @ 1kHz: 39mH (typ.)

Capacitance @ 10kHz, 0.1V:

C_p -s: 110pF (typ.) or 5pF (typ.) with screen earthed

C_p -scr: 250pF (typ.)

C_s -scr: 180pF (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



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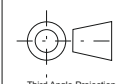
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16 De Havilland Way
Windrush Park, Witney
Oxon, OX29 0YG, UK
Tel: +44 (0)1993 777570
Fax: +44 (0)1993 777580
www.vigortronix.com



Scale: nts

DESCRIPTION

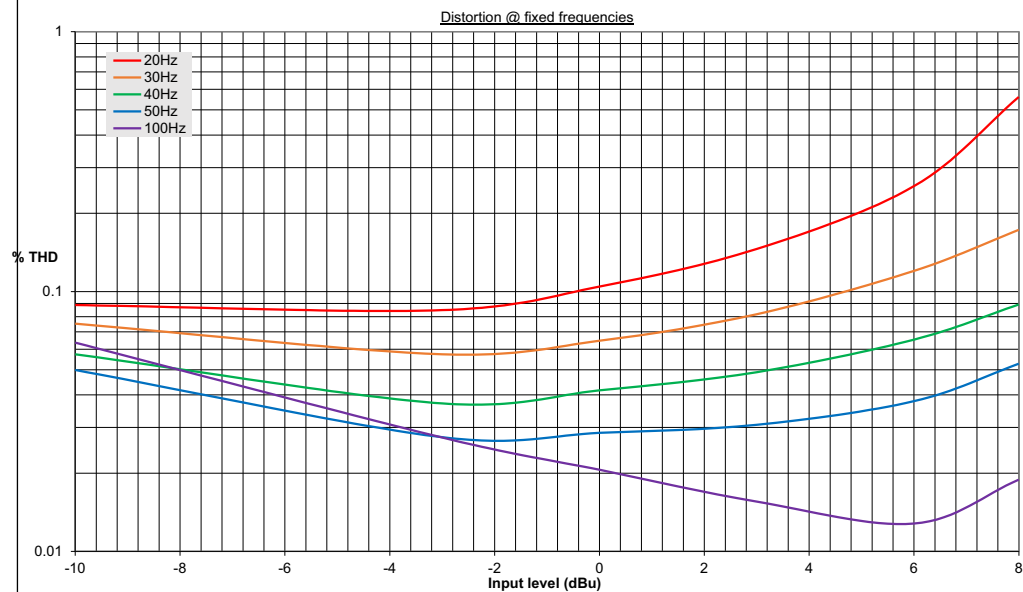
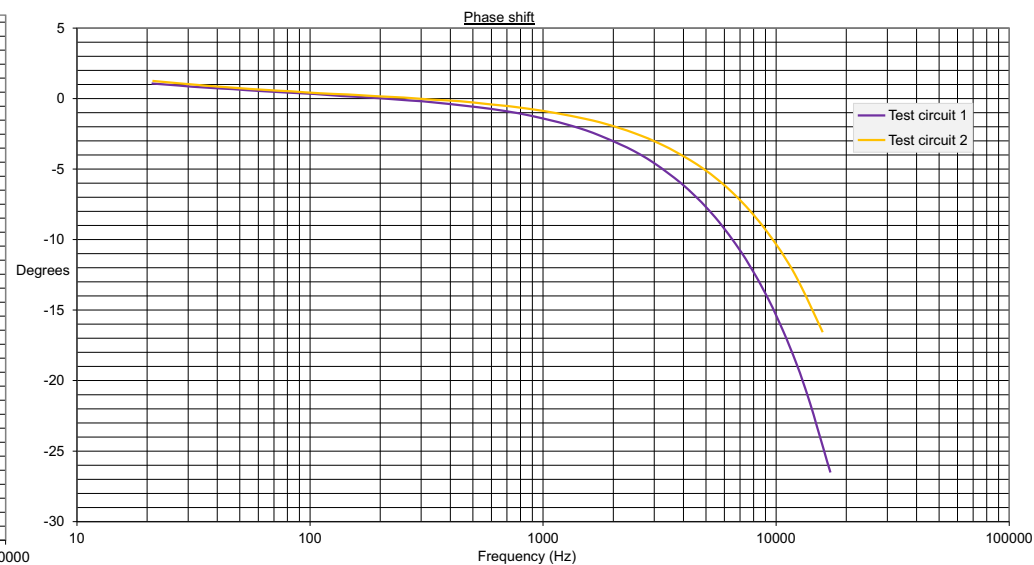
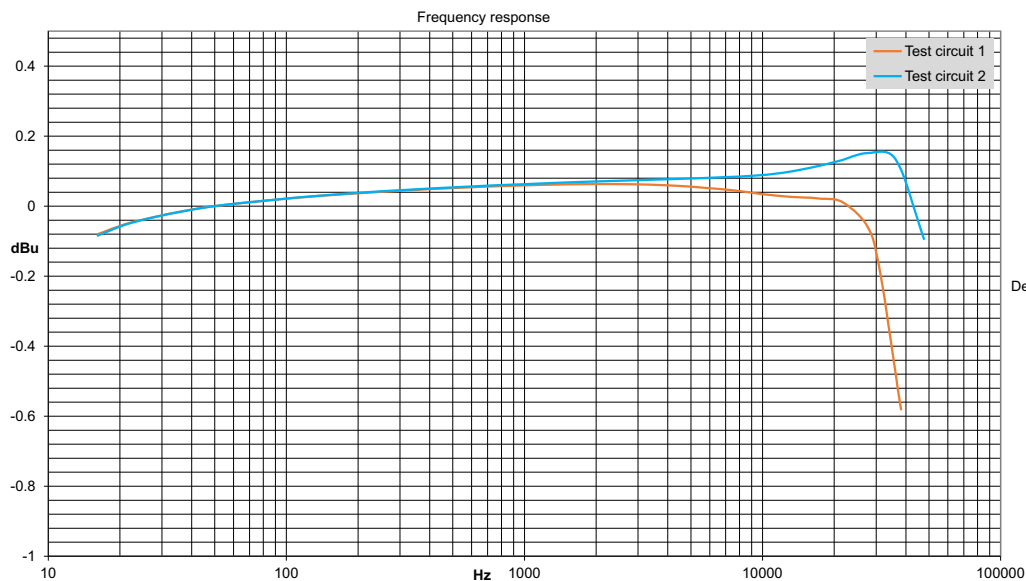
150 Ω microphone input transformer
1 C.T. to 4 + 4
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	12/11/24	CS		VTX-MIC14
2	22/04/25	CS		



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DESCRIPTION

150 Ω microphone input transformer
1 C.T. to 4 + 4
page 2 of 2

Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	12/11/24	CS		VTX-MIC14
2	22/04/25	CS		