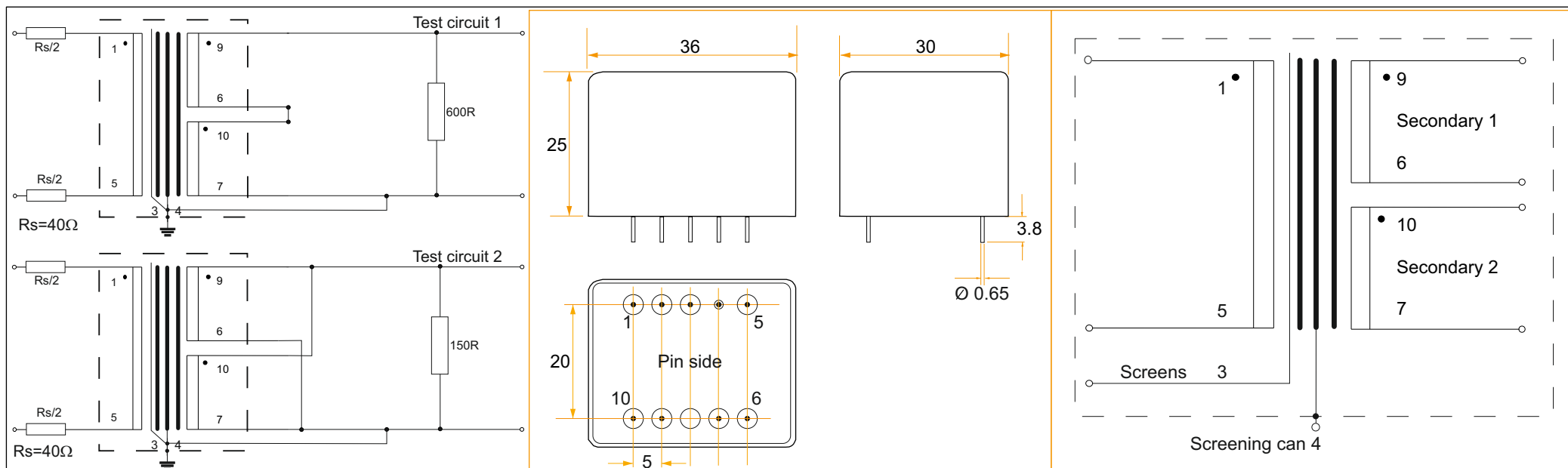




Specification: test circuit 1

Turns ratio: 4 to 1

DC resistance (Ω +/-15%)

Primary (5 - 1): 598

Secondary (6 - 10): 25 (windings in series)

Input impedance (Ω): 10.4k (typ.) @ 1kHz

Output impedance (Ω): 65 Ω (typ.) @ 1kHz

Voltage gain @ 1kHz, 0dBu: -12.95dBu (typ.)

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

Insertion loss: 0.8dB (typ.)

Leakage inductance (1 - 5) @ 1kHz: 9.5mH (typ.)
(9 - 7) @ 1kHz: 600uH (typ.)

Capacitance @ 10kHz, 0.1V:

Cp-s: 90pF (typ.) or 5pF (typ.) with screen earthed

Cp-scr: 200pF (typ.)

Cs-scr: 150pF (typ.)

Specification: test circuit 2

Turns ratio: 8 to 1

DC resistance (Ω +/-15%)

Primary (5 - 1): 598

Secondary: 6.5 (windings in parallel)

Input impedance (Ω): 10.4k (typ.) @ 1kHz

Output impedance (Ω): 65 Ω (typ.) @ 1kHz

Voltage gain @ 1kHz, 0dBu: -18.99dBu (typ.)

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

Insertion loss: 0.9dB (typ.)

Leakage inductance (1 - 5) @ 1kHz: 9.5mH (typ.)
(9+10) - (6+7): 150uH (typ.)

Capacitance @ 10kHz, 0.1V:

Cp-s: 90pF (typ.) or 5pF (typ.) with screen earthed

Cp-scr: 200pF (typ.)

Cs-scr: 150pF (typ.)

Applications:

High performance line input transformer
Input +20dBu 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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Windrush Park, Witney
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Fax: +44 (0)1993 777580

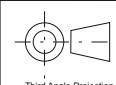
www.vigortronix.com



Scale: nts

DESCRIPTION

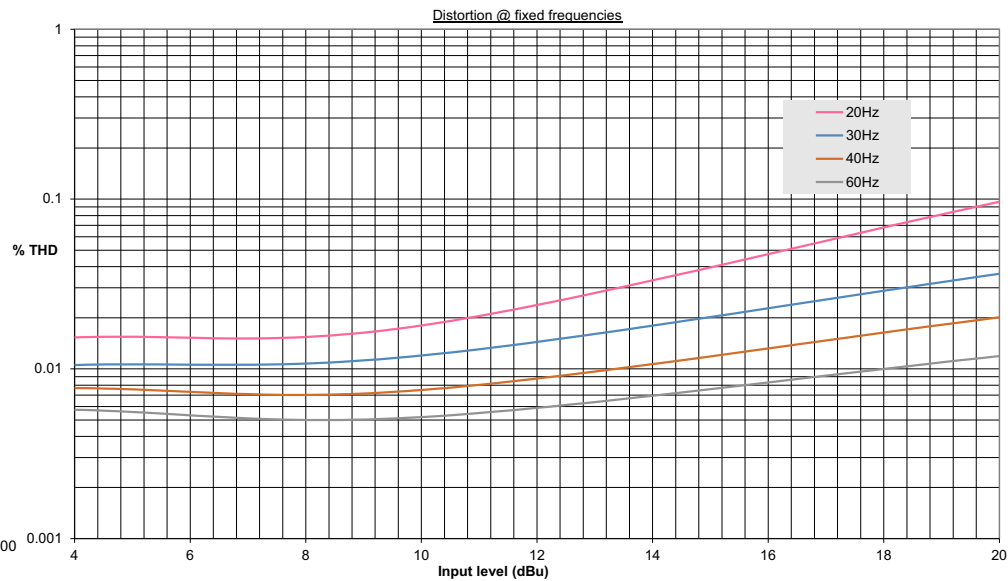
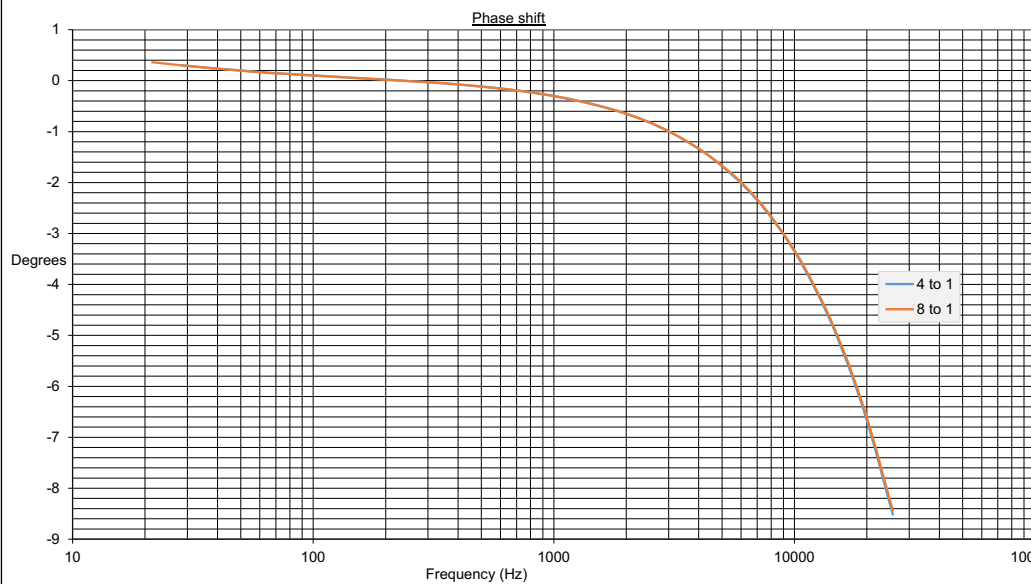
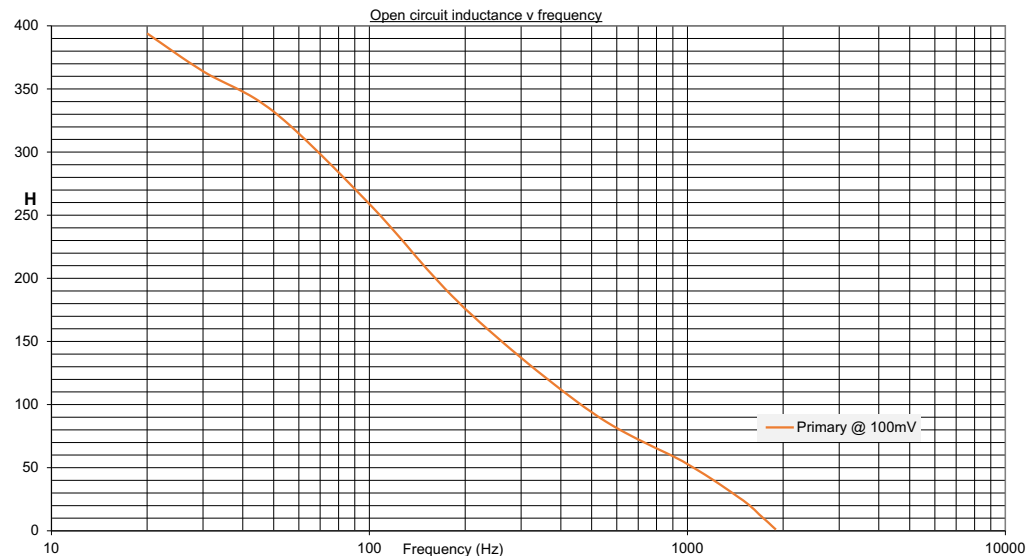
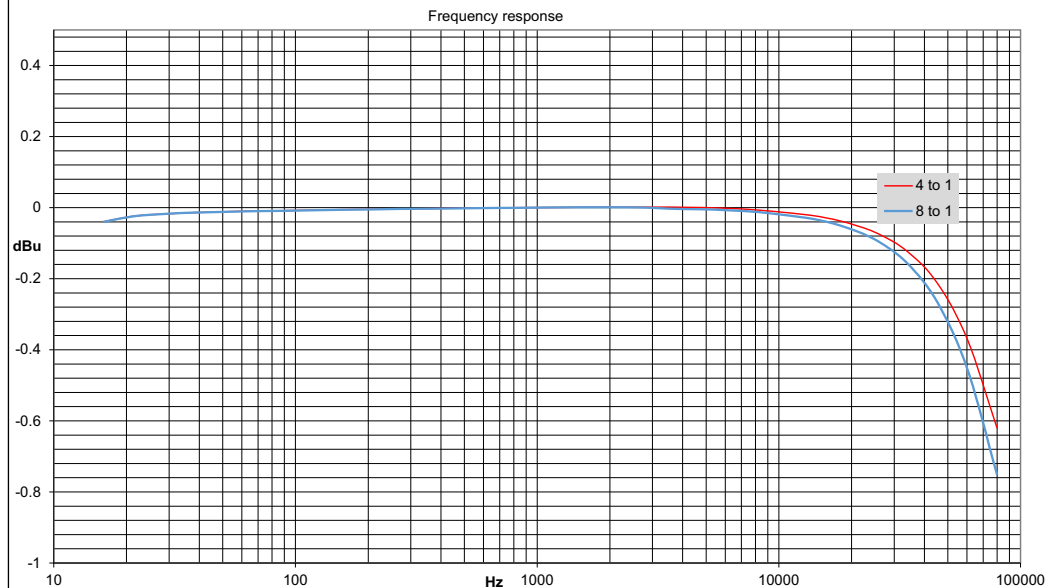
10k Ω line input transformer
8 to 1+1
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	11/03/25	CS		VTX-LIN12



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DESCRIPTION

10k Ω line input transformer
8 to 1 + 1
page 2 of 2

Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	11/03/25	CS		VTX-LIN12