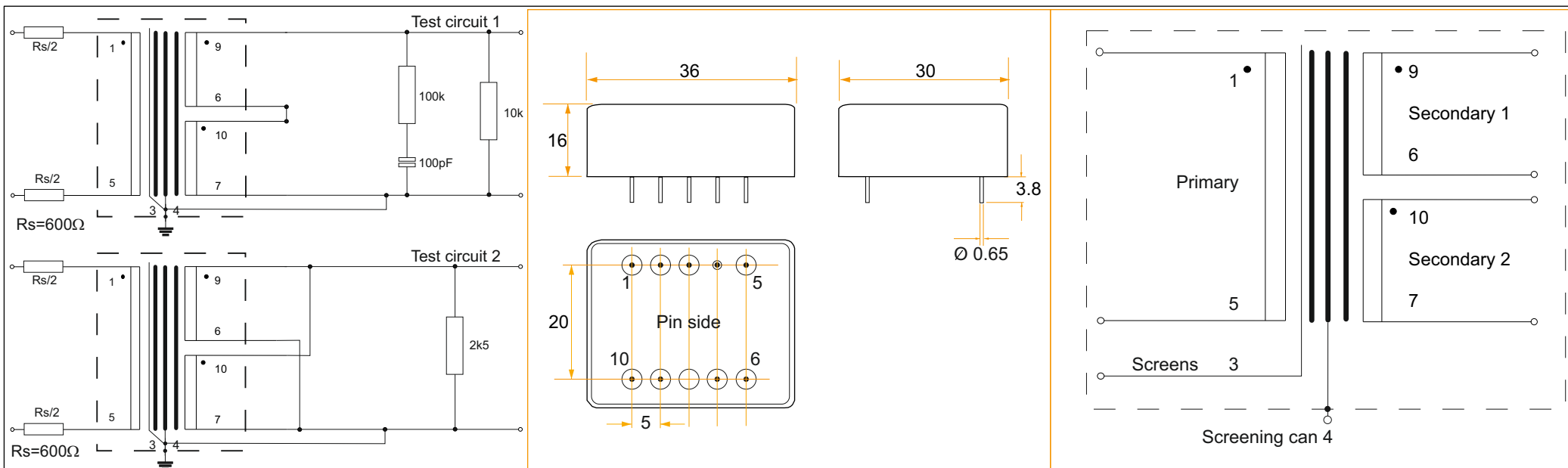




Specification: test circuit 1

Turns ratio: 1 to 1

DC resistance (Ω +/-15%)

Primary (1 - 5): 1650

Secondary (10 - 6): 1650

Input impedance (Ω): 13k (typ.) @ 1kHz

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

Voltage gain @ 1kHz, 0dBu: -2.56dBu (typ.)

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

Insertion loss: 2.5dB (typ.)

Leakage inductance (1 - 5) @ 1kHz: 29mH (typ.)
(10 - 6) @ 1kHz: 29mH (typ.)

Capacitance @ 10kHz, 0.1V:

C_{p-s} : 78pF (typ.) or 5pF (typ.) with screen earthed

C_{p-scr} : 140pF (typ.)

C_{s-scr} : 150pF (typ.)

Specification: test circuit 2

Turns ratio: 2 to 1

DC resistance (Ω +/-15%)

Primary (1 - 5): 1645

Secondary: 400 (windings in parallel)

Input impedance (Ω): 13k (typ.) @ 1kHz

Output impedance (Ω): 948 Ω (typ.) @ 1kHz

Voltage gain @ 1kHz, 0dBu: -7.4Bu (typ.)

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

Insertion loss: 2.4dB (typ.)

Leakage inductance (1 - 5) @ 1kHz: 29mH (typ.)
(9+10) - (6+7): 7.4mH (typ.)

Capacitance @ 10kHz, 0.1V:

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

C_{p-scr} : 230pF (typ.)

C_{s-scr} : 230pF (typ.)

Applications:

10k line input transformer

Input +20dBu max. (20Hz) <1%THD

+29dBu max. (50Hz) <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 = 0.1kg

Tolerance on can dimensions: +/- 0.5mm



vigortronix

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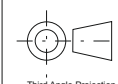
www.vigortronix.com



Scale: nts

DESCRIPTION

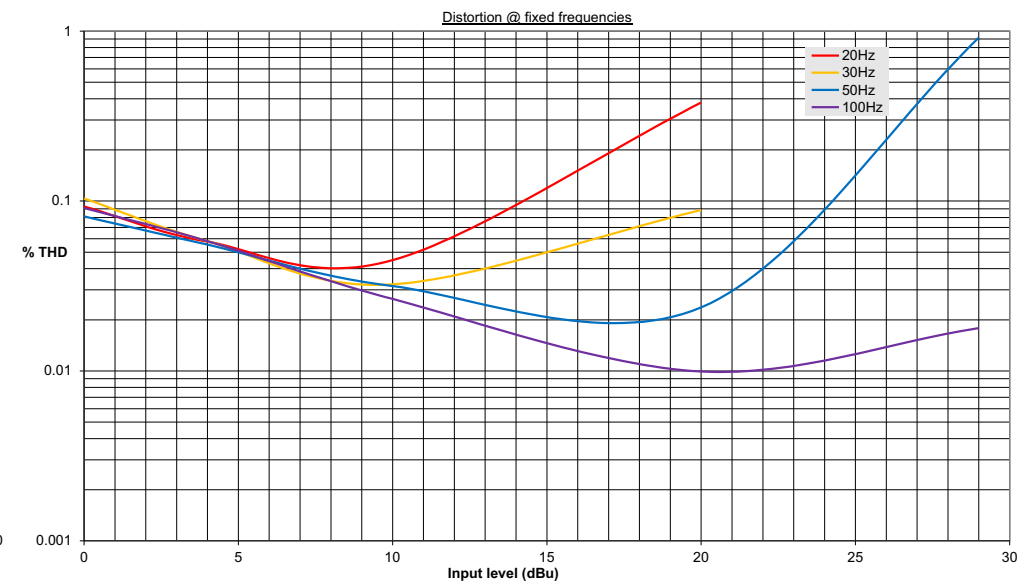
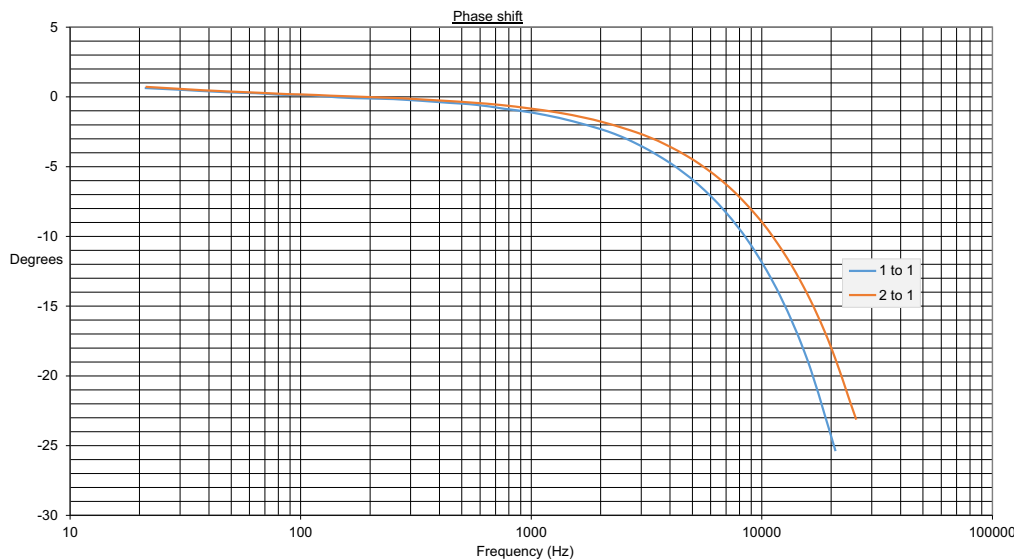
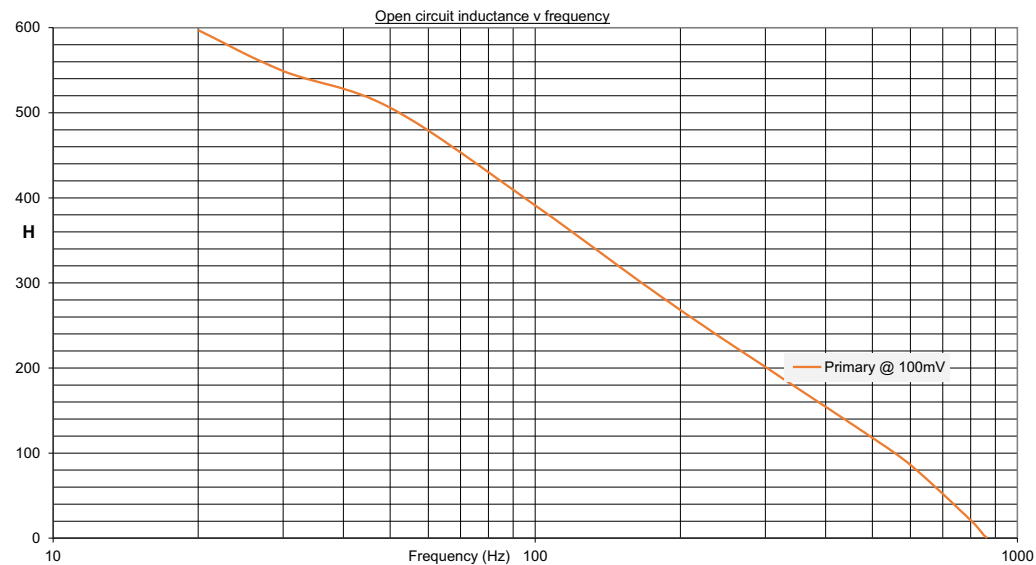
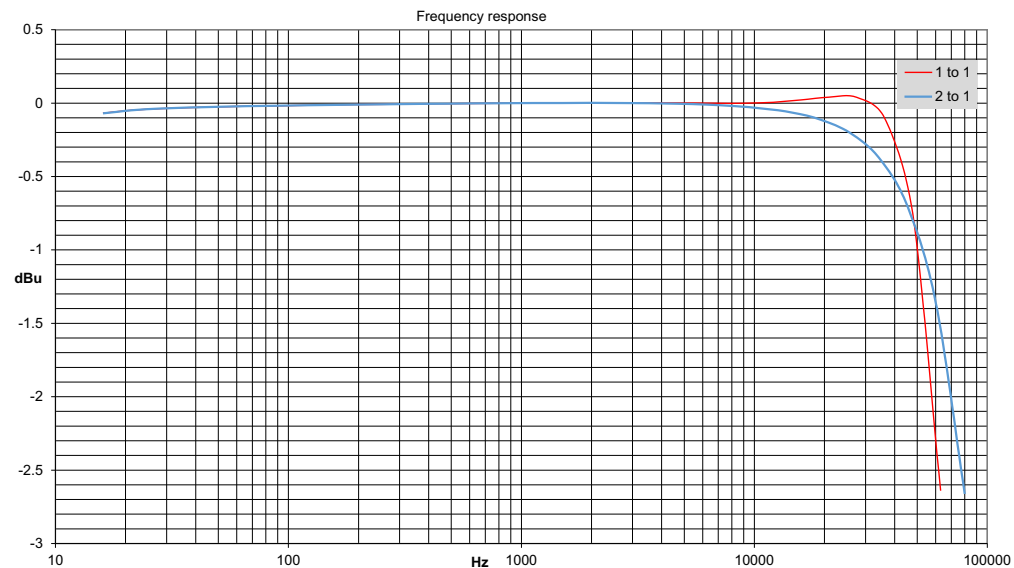
10k Ω line input transformer
2 to 1+1
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	20/03/25	CS		VTX-LIN21
2	25/06/25	CS		
3	03/09/25	CS		



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DESCRIPTION

10kΩ line input transformer
2 to 1 + 1
page 2 of 2

Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	20/03/25	CS		VTX-LIN21
2	25/06/25	CS		
3	03/09/25	CS		