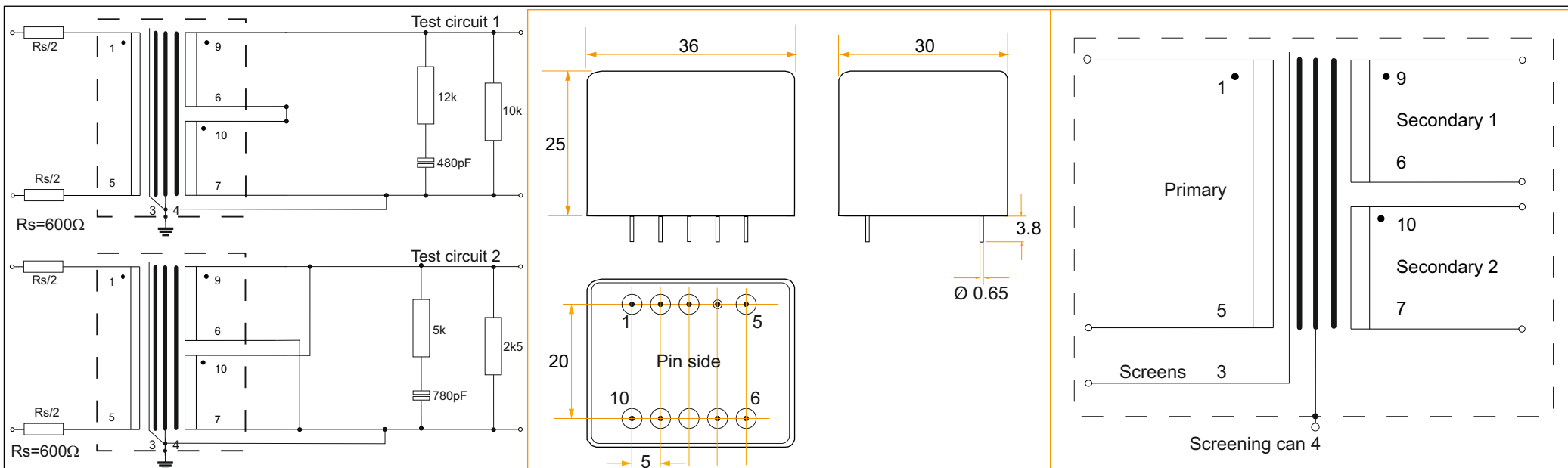




Specification: test circuit 1

Turns ratio: 1 to 1

DC resistance (Ω +/-15%)

Primary (5 - 1): 545

Secondary (6 - 10): 545

Input impedance (Ω): 10.8k (typ.) @ 1kHz

Output impedance (Ω): 1.64k Ω (typ.) @ 1kHz

Voltage gain @ 1kHz, 0dBu: -1.4dBu (typ.)

Maximum input @ 20Hz, <1% THD: +21dBu

Insertion loss: 0.9dB (typ.)

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

Specification: test circuit 2

Turns ratio: 2 to 1

DC resistance (Ω +/-15%)

Primary (5 - 1): 545

Secondary: 135 (windings in parallel)

Input impedance (Ω): 10.8k (typ.) @ 1kHz

Output impedance (Ω): 410 Ω (typ.) @ 1kHz

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

Maximum input @ 20Hz, <1% THD: +21dBu

Insertion loss: 0.9dB (typ.)

Leakage inductance (1 - 5) @ 1kHz: 9.5mH (typ.)
(9+10) - (6+7): 2.4mH (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:

High performance line input transformer
Input +21dBu 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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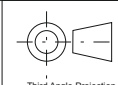
www.vigortronix.com



Scale: nts

DESCRIPTION

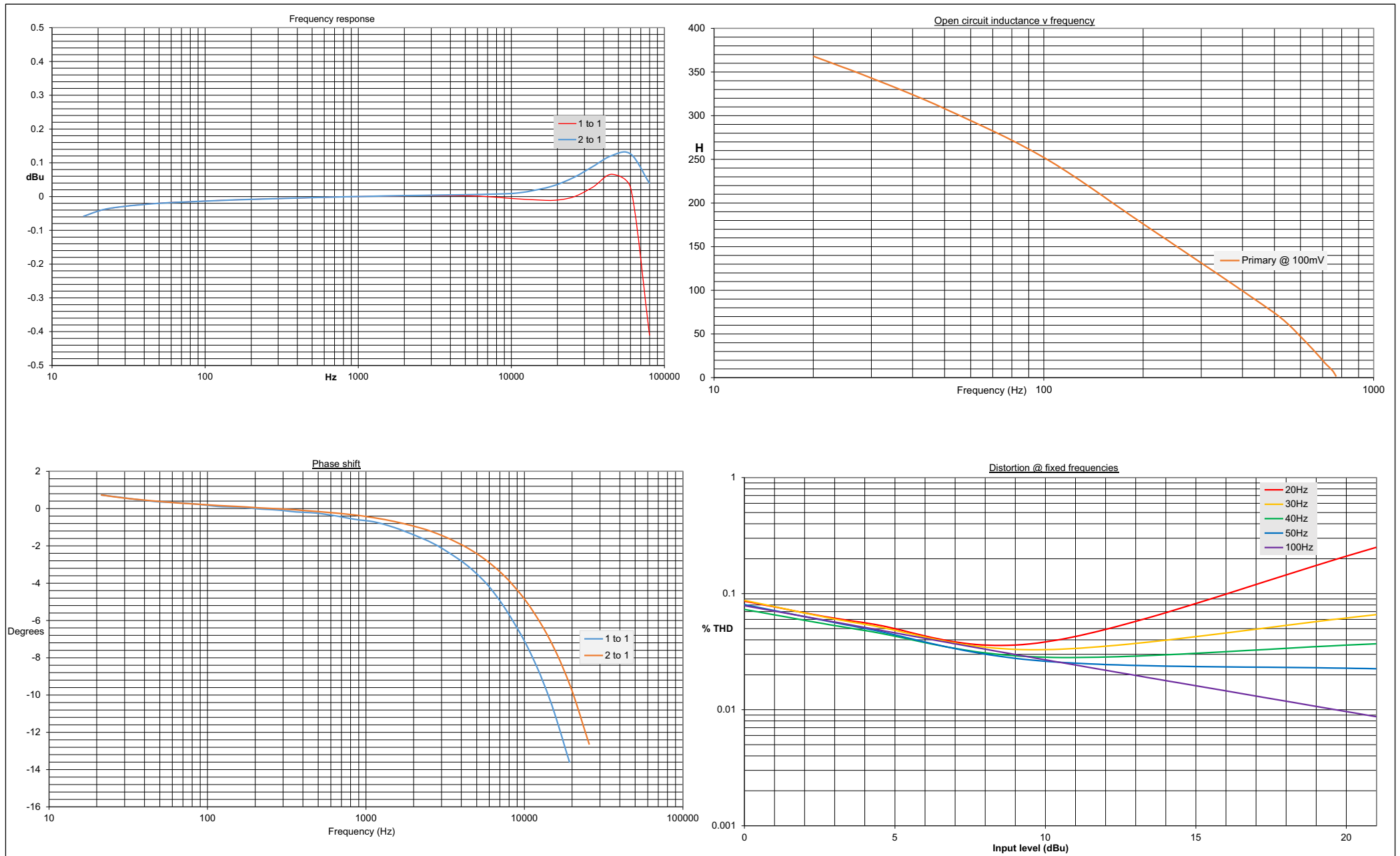
10k Ω line input transformer
2 to 1+1
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	11/03/25	CS		VTX-LIN11
2	20/03/25	CS		



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DESCRIPTION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
10kΩ line input transformer 2 to 1 + 1 page 2 of 2	1	11/03/25	CS		VTX-LIN11
	2	20/03/25	CS		
Scale: nts	All dimensions in mm unless stated otherwise				