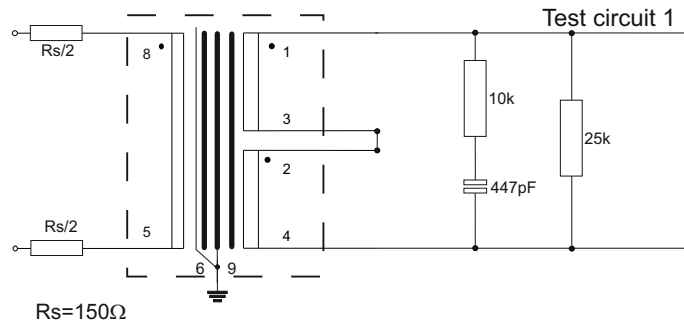




Specification (test circuit 1):
Turns ratio: 1 to 4 C.T. (series)

DC resistance (Ω +/-15%)
Primary (8 - 5): 19
Secondary (1 - 4): 292

Input impedance (Ω): 1.5k Ω (typ.) @ 1kHz
Output impedance (Ω): 2.95k Ω (typ.) @ 1kHz

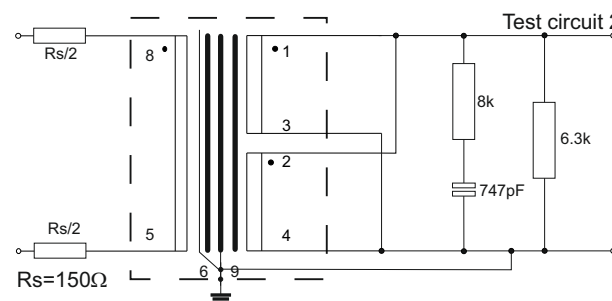
Voltage gain @ 1kHz, 10.9dBu (typ.)

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

Insertion loss: 0.2dB (typ.)

Leakage inductance @ 1kHz: (8 - 5) (1/2/3/4 S/C) 12mH (typ.)

Capacitance @ 10kHz, 0.1V:
Cp-s: 85pF (typ.) or 7pF (typ.) with screen earthed
Cp-scr: 150pF (typ.)
Cs-scr: 170pF (typ.)



Specification (test circuit 2):
Turns ratio: 1 to 2 (parallel wired)

DC resistance (Ω +/-15%)
Primary (8 - 5): 19
Secondary (parallel) ((1+2) - (3+4)): 144

Input impedance (Ω): 1.5k Ω (typ.) @ 1kHz
Output impedance (Ω): 737 Ω (typ.) @ 1kHz

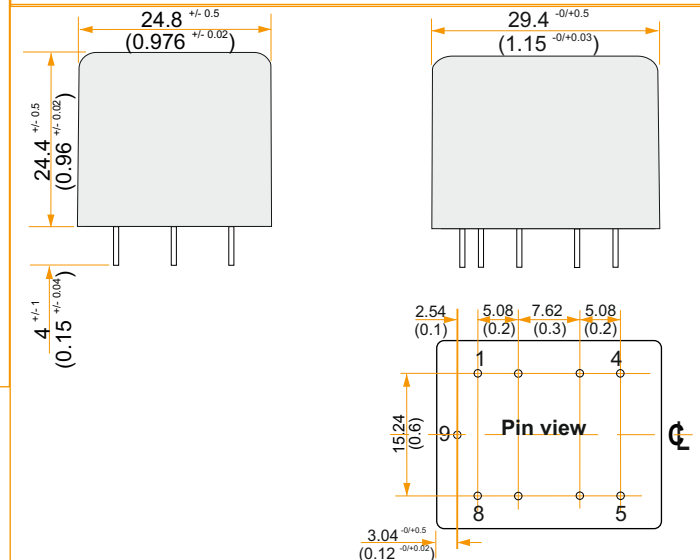
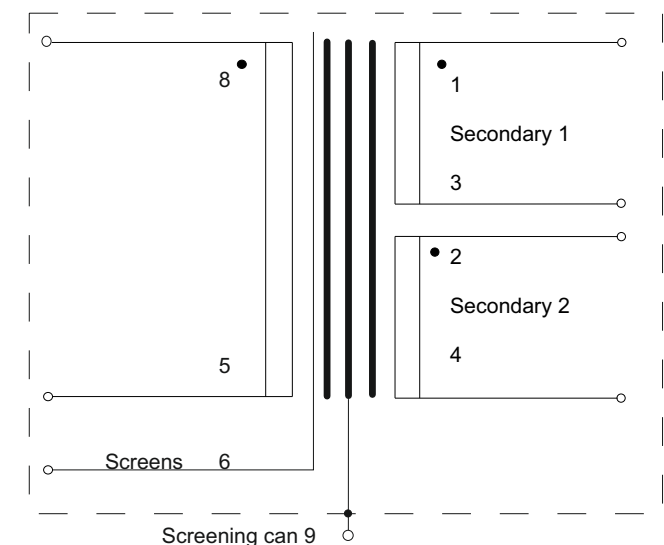
Voltage gain @ 1kHz, 4.9dBu (typ.)

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

Insertion loss: 0.3dB (typ.)

Leakage inductance @ 1kHz: (8 - 5) (1/2/3/4 S/C) 3mH (typ.)

Capacitance @ 10kHz, 0.1V:
Cp-s: 85pF (typ.) or 7pF (typ.) with screen earthed
Cp-scr: 150pF (typ.)
Cs-scr: 170pF (typ.)



Pin diameter 0.7mm (0.0276)

Tolerance on dimensions in mm: +/- 0.1 unless stated otherwise.
Inches shown in brackets.

Tolerance on dimensions in inches: +/- 0.005" unless stated otherwise.

Application:
Microphone input transformer

Input impedance: 150 ohms

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

Frequency response +/-0.2dB (20Hz - 50kHz)

Hi-pot, primary to secondaries: 500VDC
Windings to screens+can: 500VDC

Fitted with multiple electrostatic screens

Low distortion Mu-metal core

Mu-metal screening can reduces electrical noise by up to 30dB

Operating temperature range: 0 to +70°C
Storage temperature range: -25°C to +120°C

Mass = 0.055kg



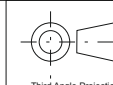
vigortronix

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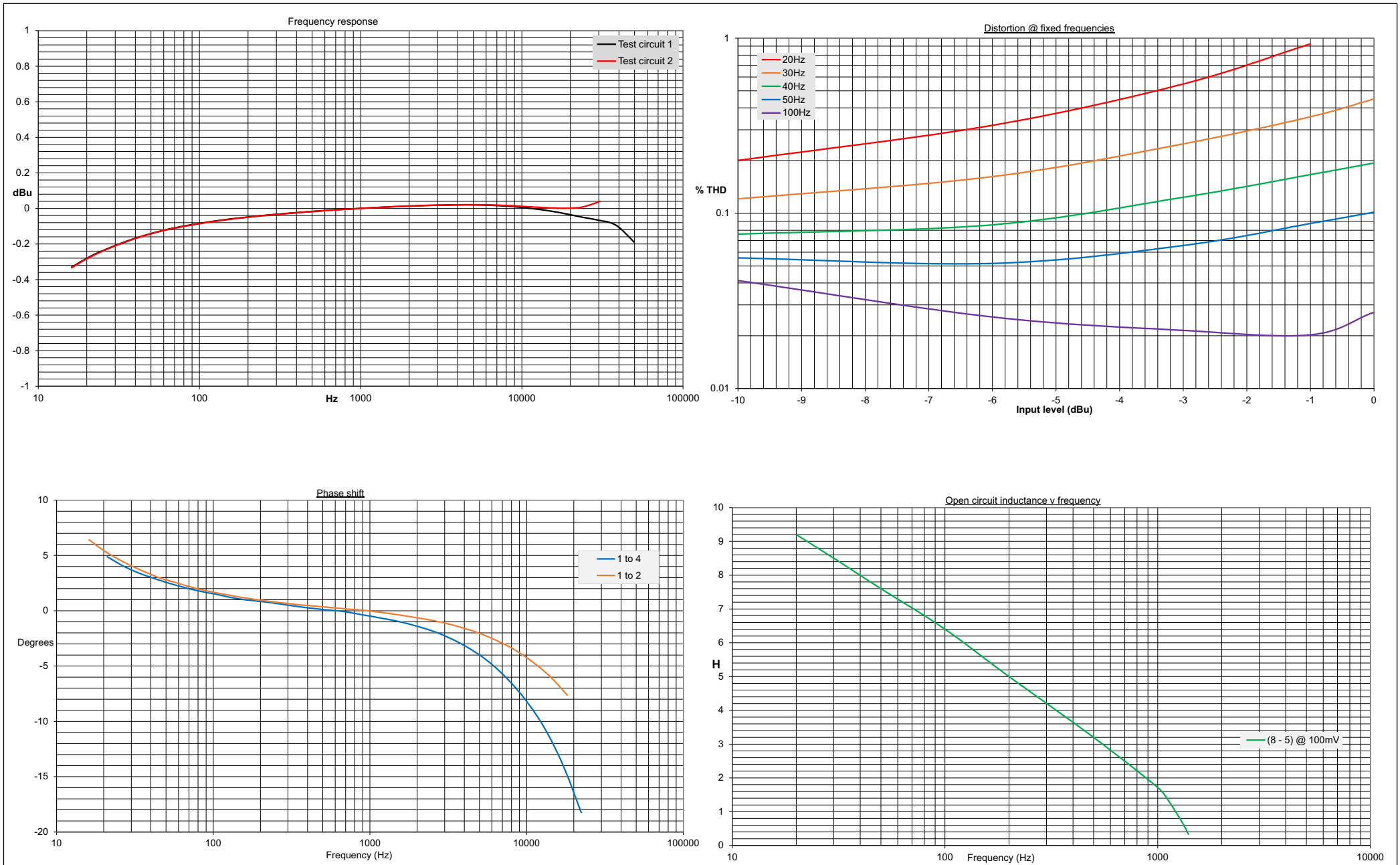
150 Ω microphone isolation transformer
1 to 2 + 2
page 1 of 2



Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	16/11/24	CS		VTX-MIC2
2	08/04/25	CS		



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DESCRIPTION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
150Ω microphone isolation transformer 1 to 2 + 2 page 2 of 2	1	16/11/24	CS		VTX-MIC2
	2	08/04/25	CS		
Scale: nts	All dimensions in mm unless stated otherwise				