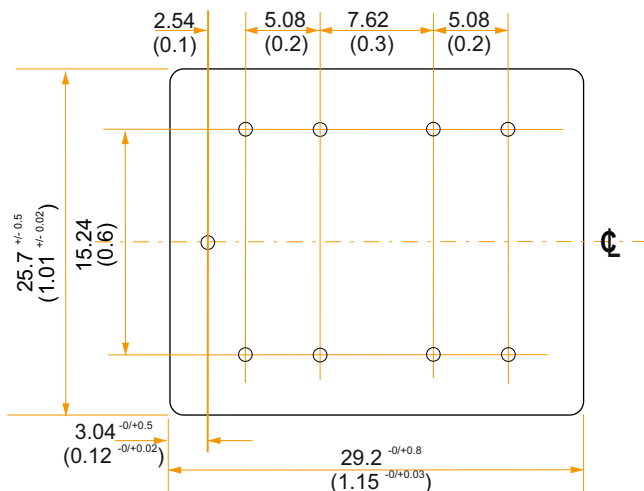
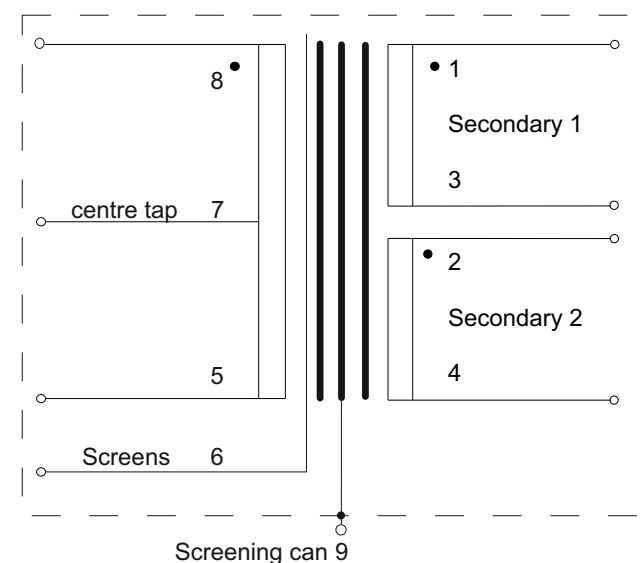
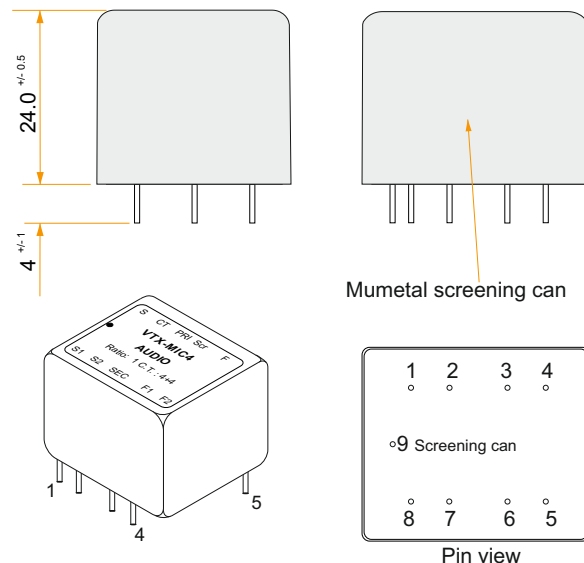
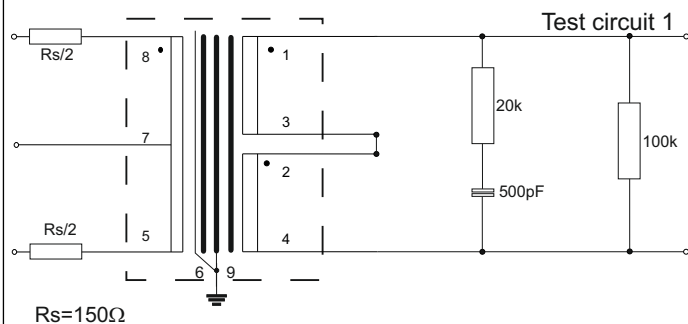




Tolerance on all dimensions in mm: ± 0.1 unless stated otherwise.
Inches shown in brackets.
Tolerance on dimensions in inches: ± 0.005 unless stated otherwise.
Pin diameter 0.7mm (0.0276)

Specification:

Turns ratio: 1 C.T. to 4 (parallel) or 8 C.T. (series)

Optimum source impedance: 150Ω

DC resistance ($\Omega \pm 15\%$)

Primary: 18.5

Secondary: 1500

Input impedance (Ω): 1.32k (typ.) @ 1kHz (100k load)

Output impedance (Ω): 12.5k Ω (typ.) @ 1kHz (150 Ω load)

Voltage gain (1 to 8) @ 1kHz, 0dBu: 17.7dBu (typ.)

Maximum input @ 20Hz, 150 Ω , <1% THD: 0dBu

Insertion loss (1 to 8): 2.2dB (typ.)

Leakage inductance @ 1kHz: (8 - 5) (1/2/3/4 S/C) 0.8mH (typ.)
(1 - 4, 2+3 linked) (5/6/7/8 S/C): 51mH (typ.)

Capacitance @ 10kHz, 0.1V:

Cp-s: 75pF (typ.) or 5pF (typ.) with screen earthed

Cp-scr: 140pF (typ.)

Cs-scr: 155pF (typ.)

Application:

Microphone input transformer

Input 0dBu 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 = 0.055kg



vigortronix

VIGORTRONIX LTD
16 De Havilland Way
Windrush Park, Witney
Oxon, OX29 0YG, UK
Tel: +44 (0)1993 777570
Fax: +44 (0)1993 777580

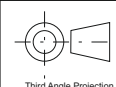
www.vigortronix.com



Scale: nts

DESCRIPTION

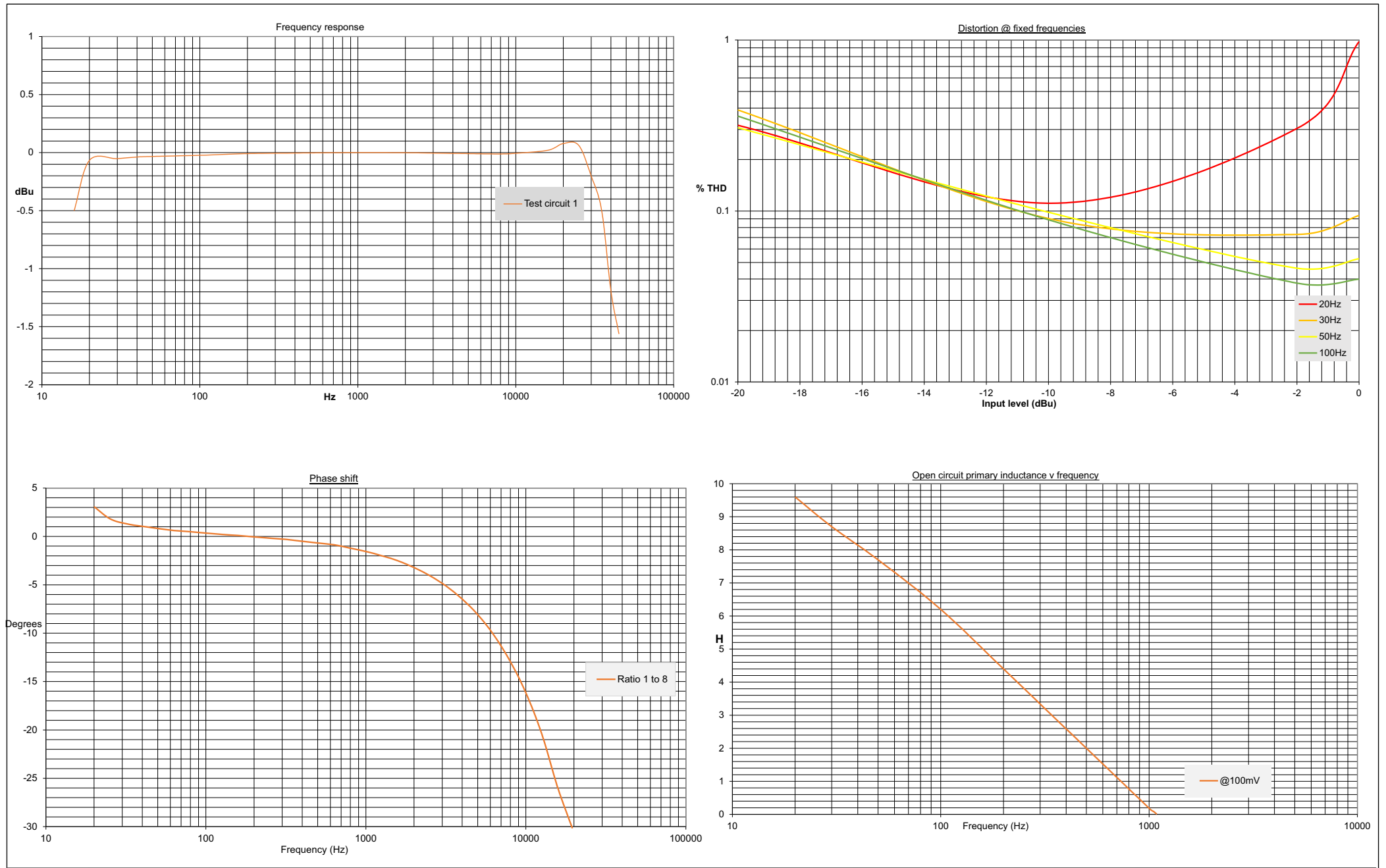
150 Ω microphone input transformer
1 C.T. to 4 + 4
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	18/11/24	CS		VTX-MIC4



	VIGORTRONIX LTD 16 De Havilland Way Windrush Park, Witney Oxon, OX29 0YG, UK Tel: +44 (0)1993 777570 Fax: +44 (0)1993 777580 www.vigortronix.com		DESCRIPTION 150Ω microphone input transformer 1 C.T. to 4 + 4 page 2 of 2		ISSUE 1	DATE 18/11/24	DRAWN CS	CHECKED	DRAWING NUMBER VTX-MIC4
	Scale: nts		All dimensions in mm unless stated otherwise						