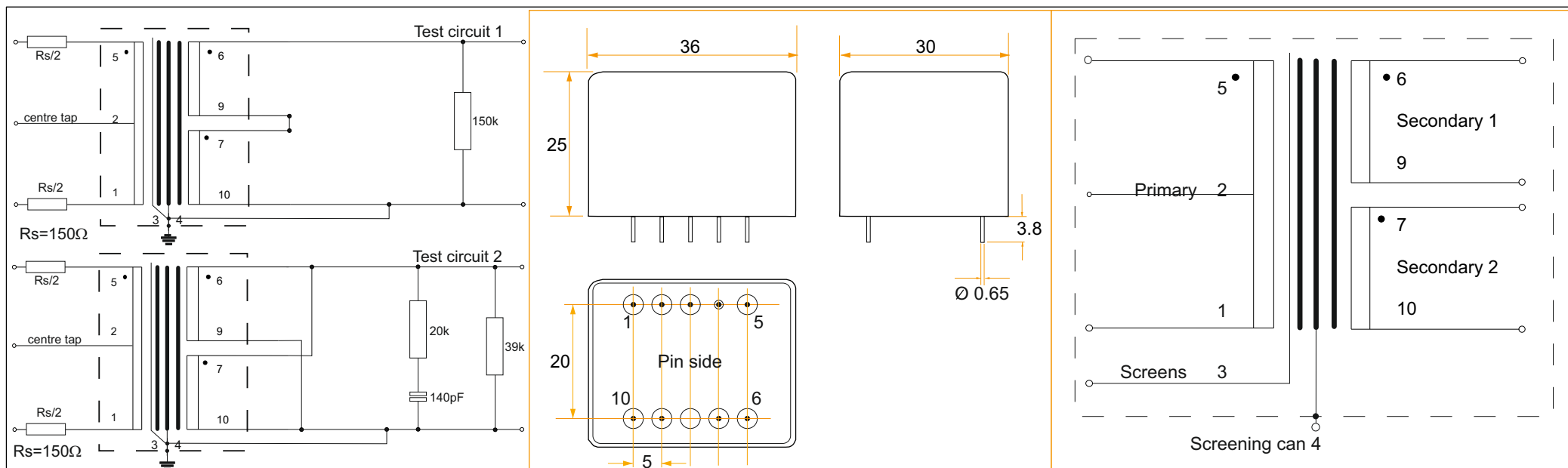




Specification (test circuit 1):
Turns ratio: 1 C.T. to 10 C.T.

Optimum source impedance: 150Ω

DC resistance (Ω+/-15%)
Primary: 23
Secondary (1+2): 1745

Input impedance (Ω): 1.46k (typ.) @ 1kHz
Output impedance (Ω): 20k (typ.) @ 1kHz (150Ω load)

Voltage gain @ 1kHz, 0dBu: 18.95dBu (typ.)

Maximum input @ 20Hz, 150Ω, <1% THD: +8dBu

Insertion loss: 0.3dB (typ.)

Leakage inductance (6 - 10) @ 1kHz: 60mH (typ.)

Capacitance @ 10kHz, 0.1V:
Cp-s: 110pF (typ.) or 5pF (typ.) with screen earthed
Cp-scr: 230pF (typ.)
Cs-scr: 190pF (typ.)

Specification (test circuit 2):
Turns ratio: 1 C.T. to 5

Optimum source impedance: 150Ω

DC resistance (Ω+/-15%)
Primary: 23
Secondary: 433

Input impedance (Ω): 1.47k (typ.) @ 1kHz
Output impedance (Ω): 4.9k (typ.) @ 1kHz (150Ω load)

Voltage gain @ 1kHz, 0dBu: 12.9dBu (typ.)

Maximum input @ 20Hz, 150Ω, <1% THD: +8dBu

Insertion loss: 0.3dB (typ.)

Leakage inductance (6/7 - 9/10) @ 1kHz: 16mH (typ.)

Capacitance @ 10kHz, 0.1V:
Cp-s: 110pF (typ.) or 5pF (typ.) with screen earthed
Cp-scr: 230pF (typ.)
Cs-scr: 190pF (typ.)

Applications:

High performance microphone input transformer
Input +8dBu 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



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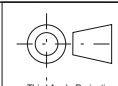
VIGORTRONIX LTD
16 De Havilland Way
Windrush Park, Witney
Oxon, OX29 0YG, UK
Tel: +44 (0)1993 777570
Fax: +44 (0)1993 777580
www.vigortronix.com



Scale: nts

DESCRIPTION

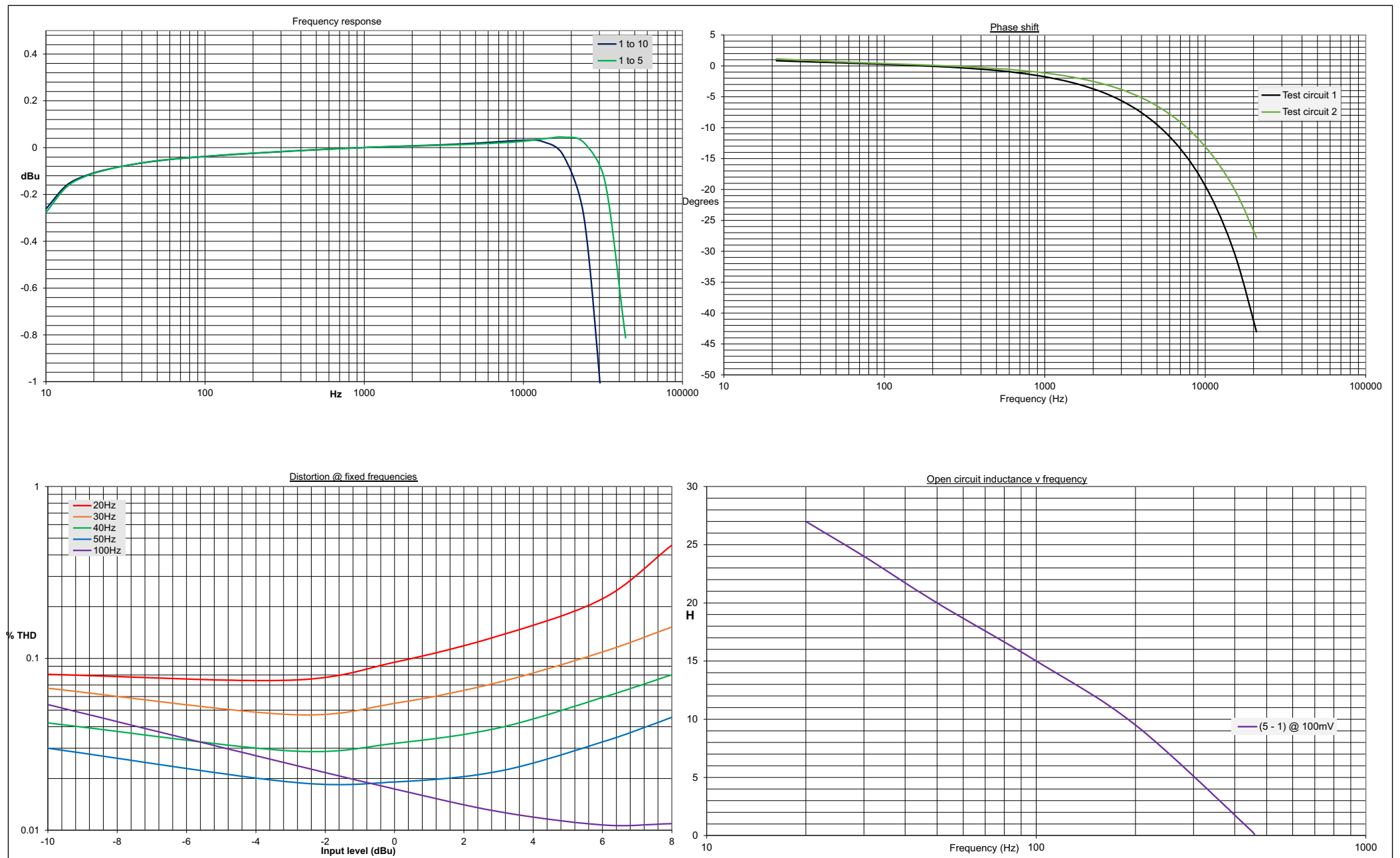
150Ω microphone input transformer
1 C.T. to 5 + 5
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	12/11/24	CS		VTX-MIC15
2	22/04/25	CS		
3	11/06/25	CS		



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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	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
150Ω microphone input transformer 1 C.T. to 5 + 5 page 2 of 2	1	12/11/24	CS		VTX-MIC15
	2	22/04/25	CS		
	3	11/06/25	CS		
Scale: nts					
All dimensions in mm unless stated otherwise					