

Applications:

High performance microphone input transformer
Input +10dBu max (20Hz) <1%THD

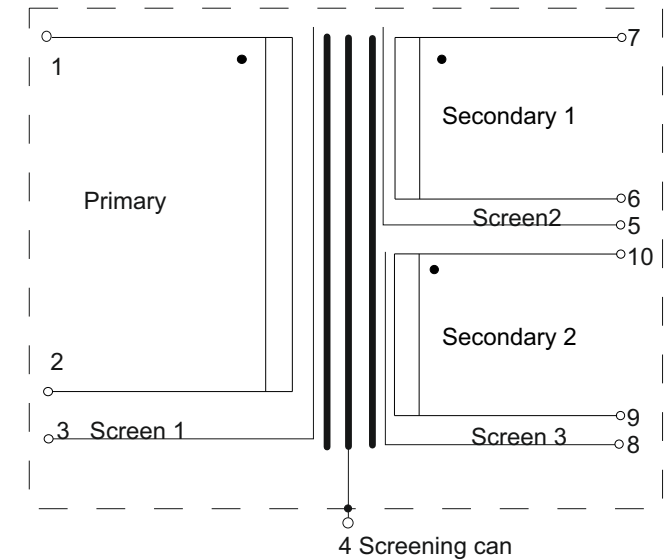
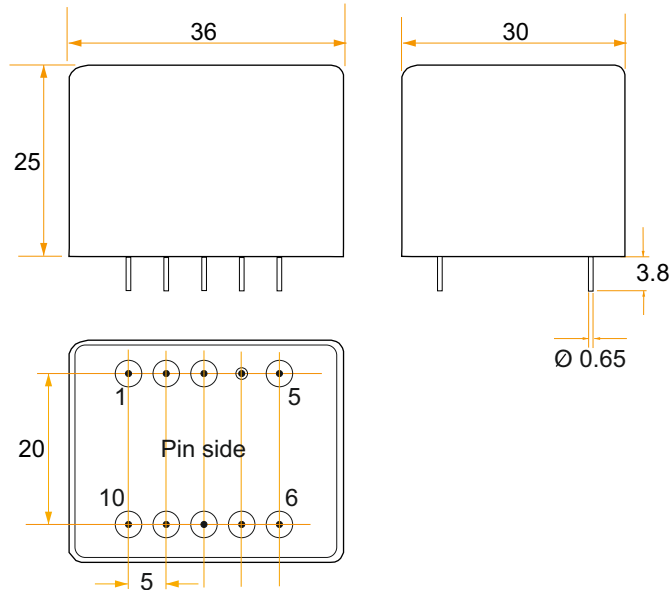
Fitted with multiple electrostatic screens
Low distortion Mu-metal core

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



Specification (test circuit 1):

Turns ratio: 1 to 1 to 1

Optimum source impedance: 150Ω

DC resistance (Ω +/-15%)

Primary: 31

Secondary 1: 53

Secondary 2: 58

Input impedance (Ω): 551 (typ.) @ 1kHz

Output impedance (Ω): 211 (typ.) @ 1kHz

Frequency response: 16Hz - 60kHz (+/-0.15dB)

Voltage gain @ 1kHz, 0dBu: 0.76dBu (typ.)

Maximum input @ 20Hz, <1% THD: +10dBu

Insertion loss: 1dB (typ.)

Leakage inductance (1 - 2) @ 1kHz: 880uH (typ.)

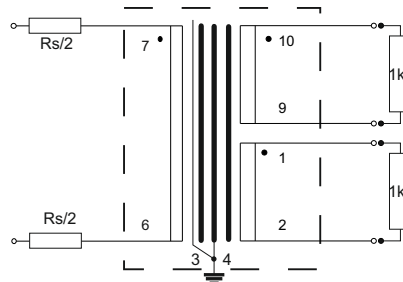
Capacitance @ 10kHz, 0.1V:

Cp-scr1: 300pF (typ.)

Cs1-scr2: 100pF (typ.)

Cs2-scr3: 170pF (typ.)

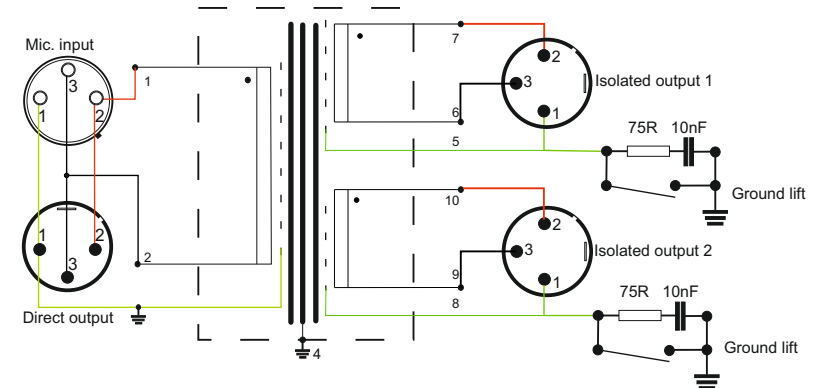
Test circuit 1



Rs=150R

*do not fit
for inductance,
leakage inductance,
capacitance
measurements

Application circuit



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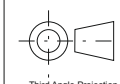
VIGORTRONIX LTD
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Scale: nts

DESCRIPTION

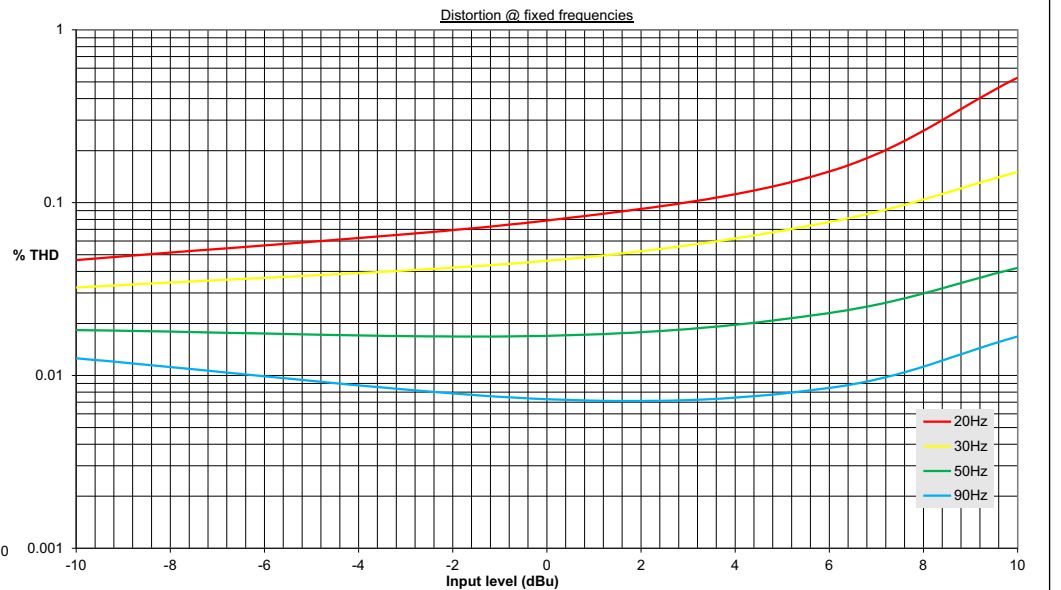
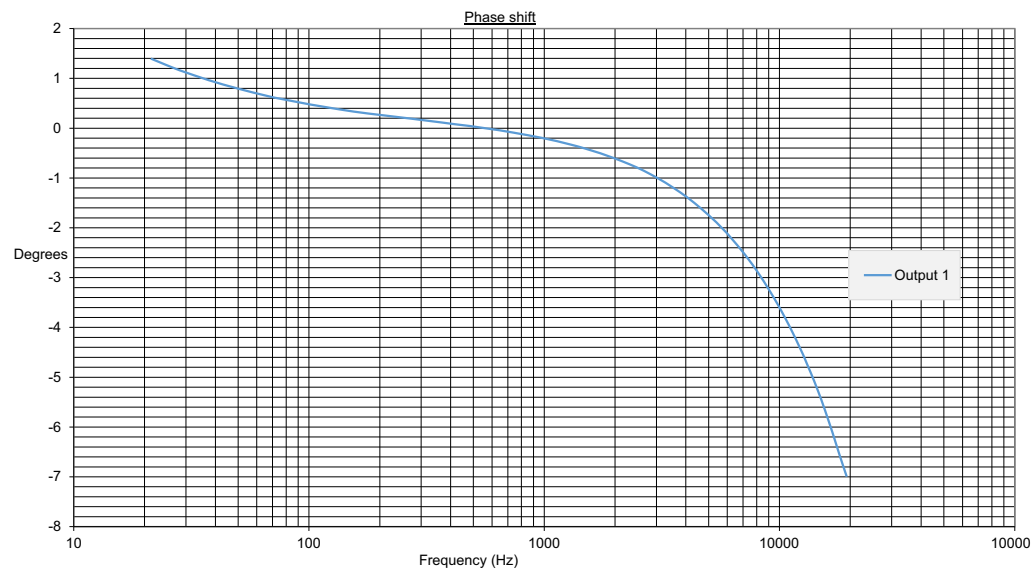
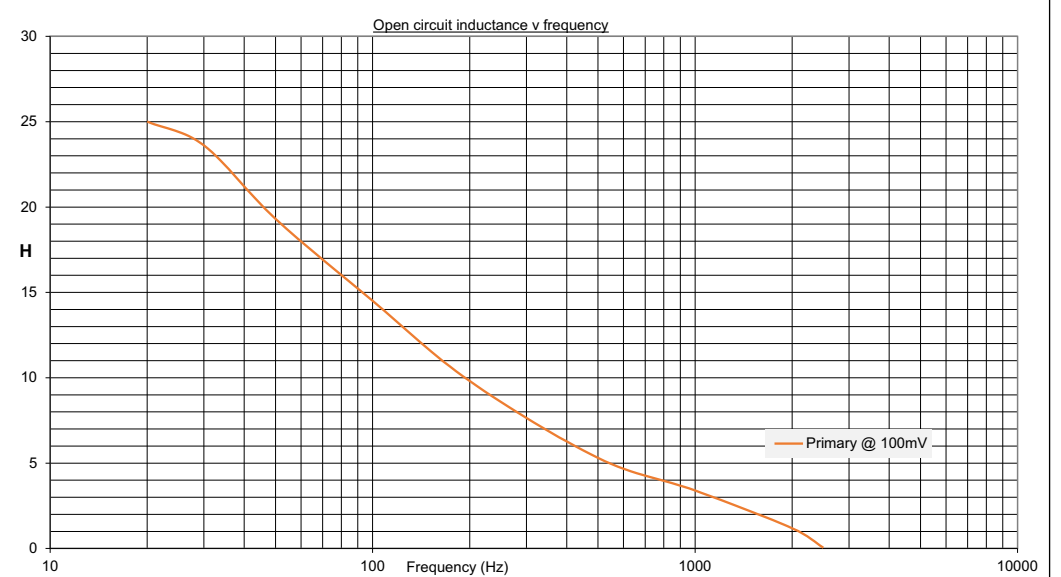
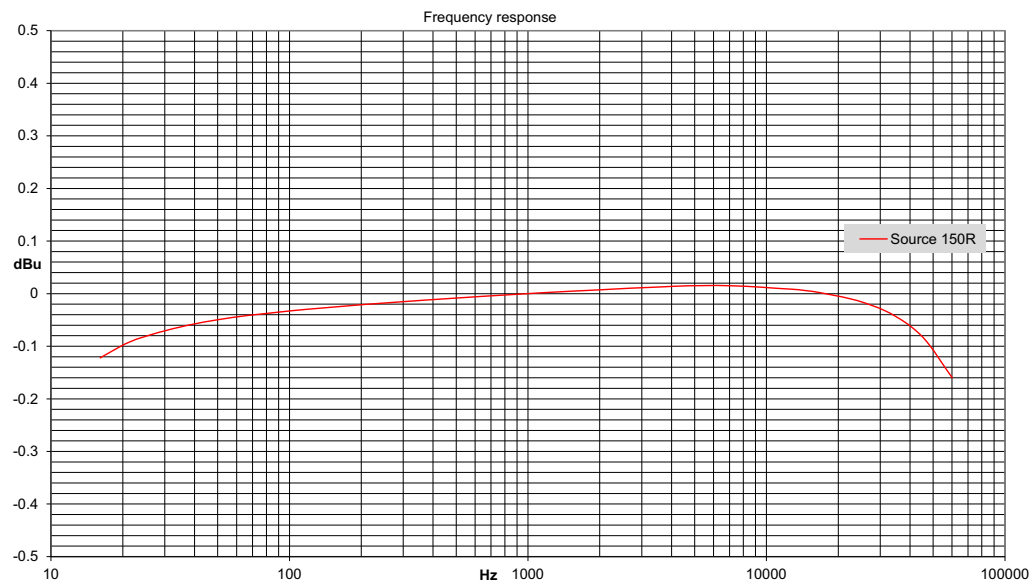
150Ω microphone splitting transformer
1 to 1 to 1
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	12/11/24	CS		VTX-MICB2
2	04/06/25	CS		



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