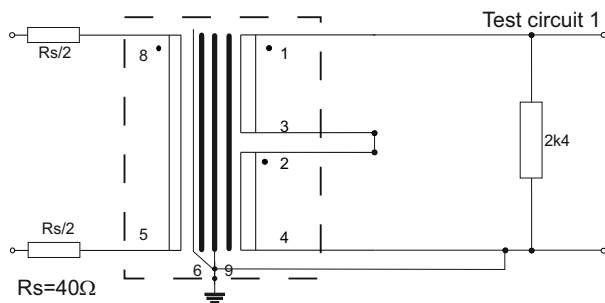




Specification (test circuit 1):
Turns ratio: 4 to 1 (series wired)

DC resistance (Ω +/-15%)
Primary (8 - 5): 786
Secondary (series) (1 - 4): 49.8

Input impedance (Ω): 39.5k Ω (typ.) @ 1kHz
Output impedance (Ω): 86 Ω (typ.) @ 1kHz

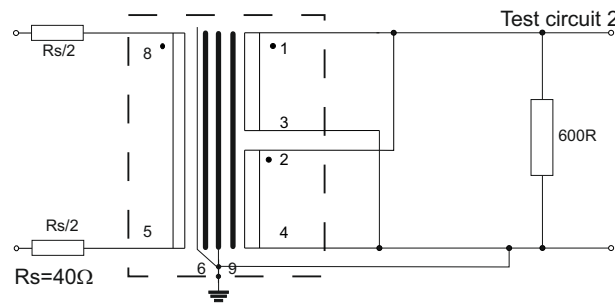
Voltage gain @ 1kHz, -12.5dBu (typ.)

Maximum input @ 20Hz, <1% THD: 15dBu

Insertion loss: 0.3dB (typ.)

Leakage inductance @ 1kHz (8 - 5) (1/2/3/4 S/C): 28mH (typ.)
Leakage inductance @ 1kHz (1 - 4) (5/8 S/C): 1.7mH

Capacitance @ 10kHz, 0.1V:
Cp-s: 60pF (typ.) or 5pF (typ.) with screen earthed
Cp-scr: 120pF (typ.)
Cs-scr: 115pF (typ.)



Specification (test circuit 2):
Turns ratio: 8 to 1 (parallel wired)

DC resistance (Ω +/-15%)
Primary (8 - 5): 786
Secondary (parallel) ((1+2) - (3+4)): 12.2

Input impedance (Ω): 39.5k Ω (typ.) @ 1kHz
Output impedance (Ω): 21 Ω (typ.) @ 1kHz

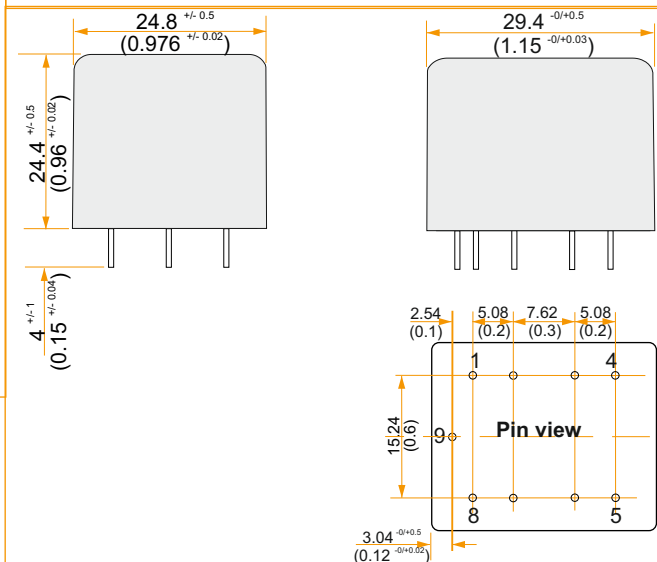
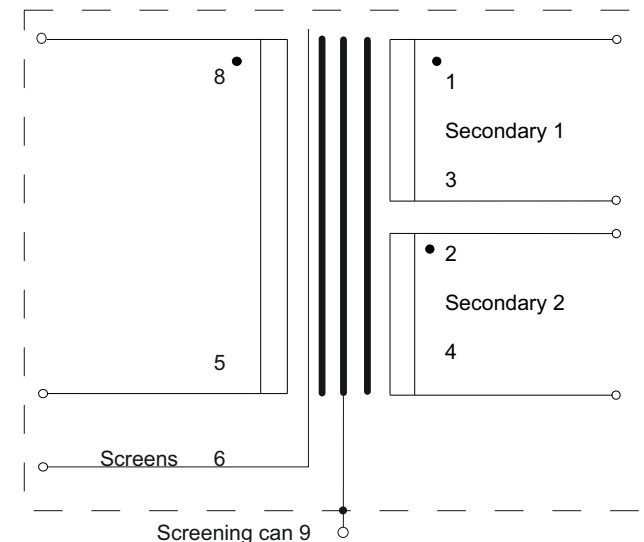
Voltage gain @ 1kHz, -18.5dBu (typ.)

Maximum input @ 20Hz, <1% THD: 15dBu

Insertion loss: 0.3dB (typ.)

Leakage inductance @ 1kHz: (8 - 5) (1/2/3/4 S/C) 28mH (typ.)
Leakage inductance @ 1kHz (1 - 4) (5/8 S/C): 425uH

Capacitance @ 10kHz, 0.1V:
Cp-s: 60pF (typ.) or 5pF (typ.) with screen earthed
Cp-scr: 120pF (typ.)
Cs-scr: 115pF (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:
Line input transformer

High input impedance: 39k

Input 15dBu max. (@ 20Hz) <1% THD

Frequency response +/-0.25dB (16Hz - 60kHz)

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

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

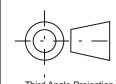
www.vigortronix.com



Scale: nts

DESCRIPTION

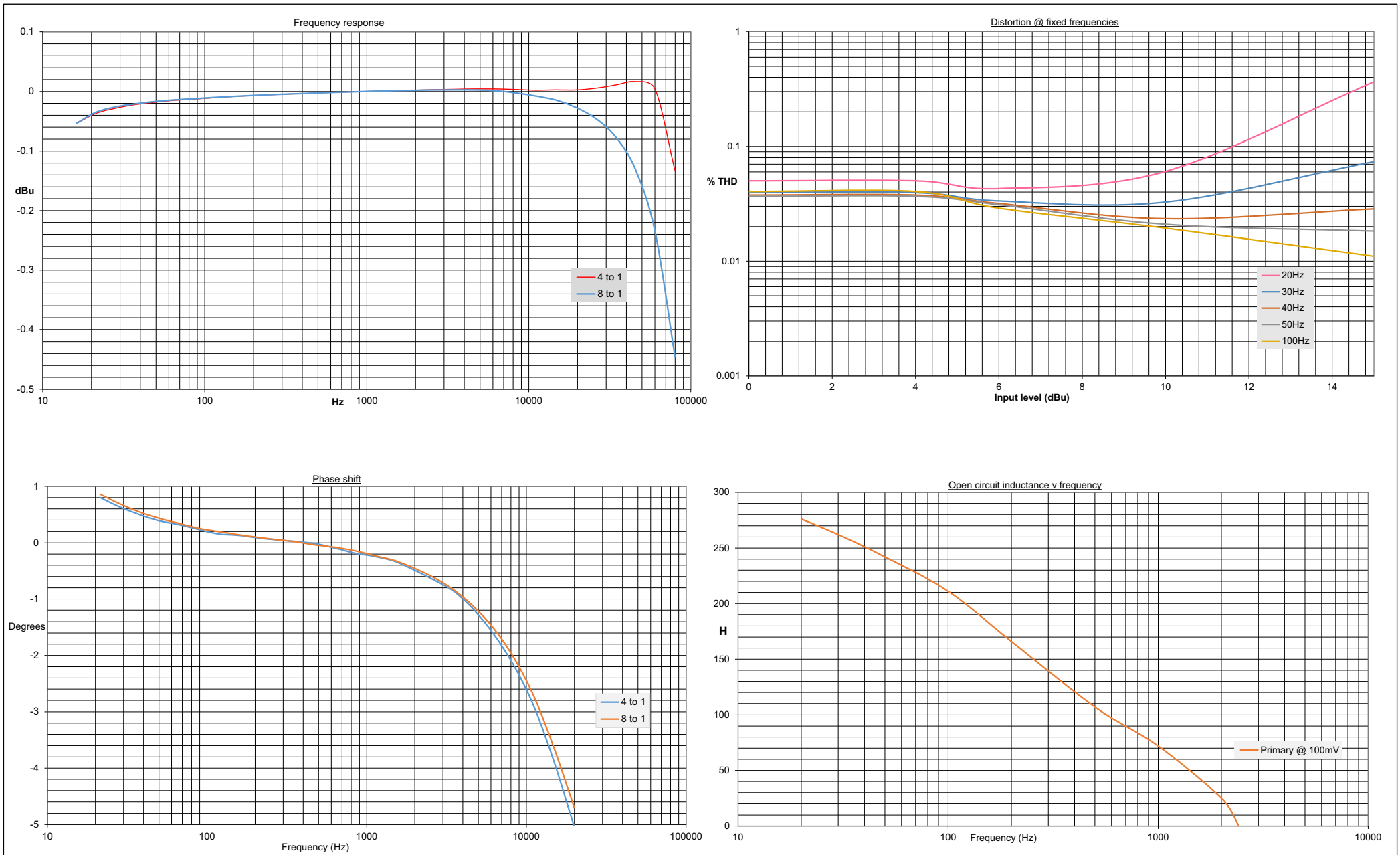
Line input transformer
39k to 2k4 / 600R
page 1 of 2



Third Angle Projection

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	16/12/24	CS		VTX-LIN3



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

DESCRIPTION

Line input transformer
 39k to 2k4 / 600R
 page 2 of 2

Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	16/12/24	CS		VTX-LIN3