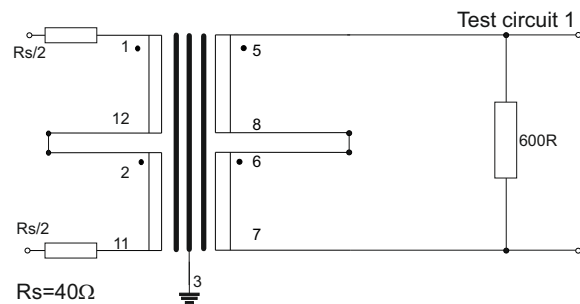


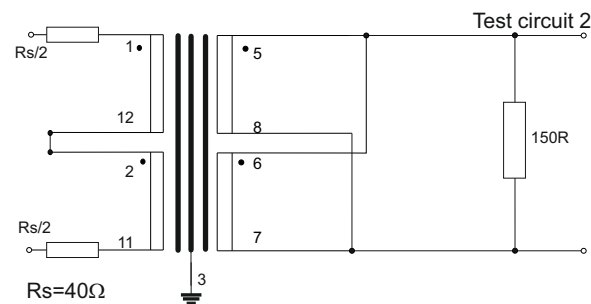


Specification (test circuit 1):
Turns ratio: 1 to 1 (series wired)

DC resistance (Ω +/-15%)
Windings 1+2 (1 - 11) = windings 3+4 (5 - 7): 52.8

Voltage gain @ 1kHz, -1.88dBu (typ.)

Maximum input @ 20Hz, <1% THD: 28dBu

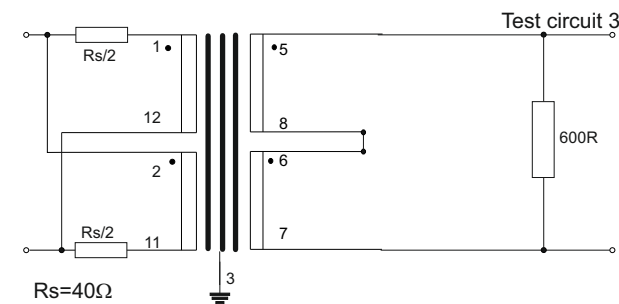


Specification (test circuit 2):
Turns ratio: 2 to 1 (parallel secondaries)

DC resistance (Ω +/-15%)
Windings 1+2 (1 - 11): 52.8
Secondaries (parallel) ((5+6) - (7+8)): 13.2

Voltage gain @ 1kHz, -7.8dBu (typ.)

Maximum input @ 20Hz, <1% THD: 28dBu

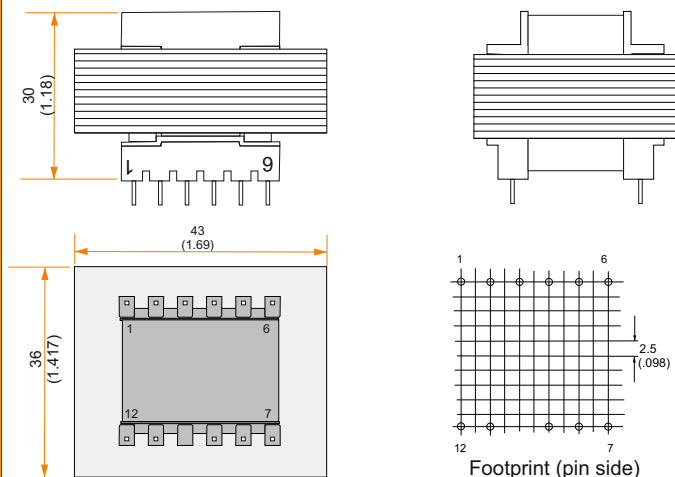


Specification (test circuit 3):
Turns ratio: 1 to 2 (parallel primaries)

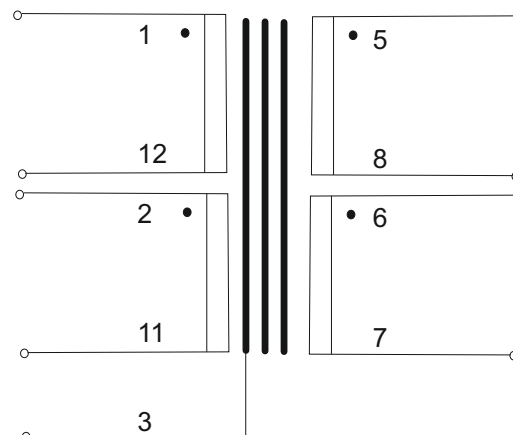
DC resistance (Ω +/-15%)
primaries (parallel) (1+2) - (11+12): 13.2
Secondary (series) (5 - 7): 52.8

Voltage gain @ 1kHz, 2.8dBu (typ.)

Maximum input @ 20Hz, <1% THD: 17dBu



Pin diameter 0.635mm sq. (0.025)
Mass: 0.185kg
Tolerance on dimensions in mm: +/- 0.1 unless stated otherwise.
Inches shown in brackets.
Tolerance on dimensions in inches: +/- 0.005" unless stated otherwise.



Electrical schematic

Description:

Quadfilar line output transformer

Application: high performance output stages
Can be wired for 1:1, 2:1 or 1:2

28dB max. drive level @ 20Hz <1% THD (1 to 1 and 2 to 1 configuration)

Input impedance (Ω): 687 Ω (typ.) @ 1kHz
Output impedance (Ω): 103 Ω (typ.) @ 1kHz (5/6/7/8 S/C)

Insertion loss: 1.4dB (typ.)
Leakage inductance @ 1kHz (1 - 11) (5/6/7/8 S/C): 48uH (typ.)

Interwinding capacitance @ 10kHz, 0.1V:
Cp-s: 15nF (typ.) (wired 1 to 1)

Frequency response +/-0.2dB (10Hz - 80kHz)

Hi-pot, winding to winding: 250VAC

50% nickel core for improved THD with excellent drive level capacity

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



vigortronix

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Scale: 1 to 1

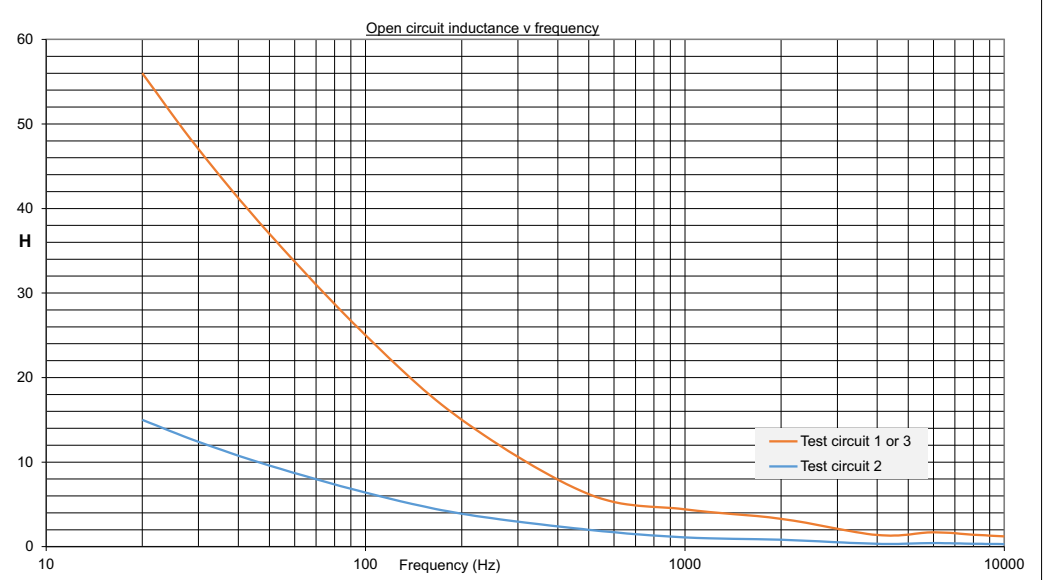
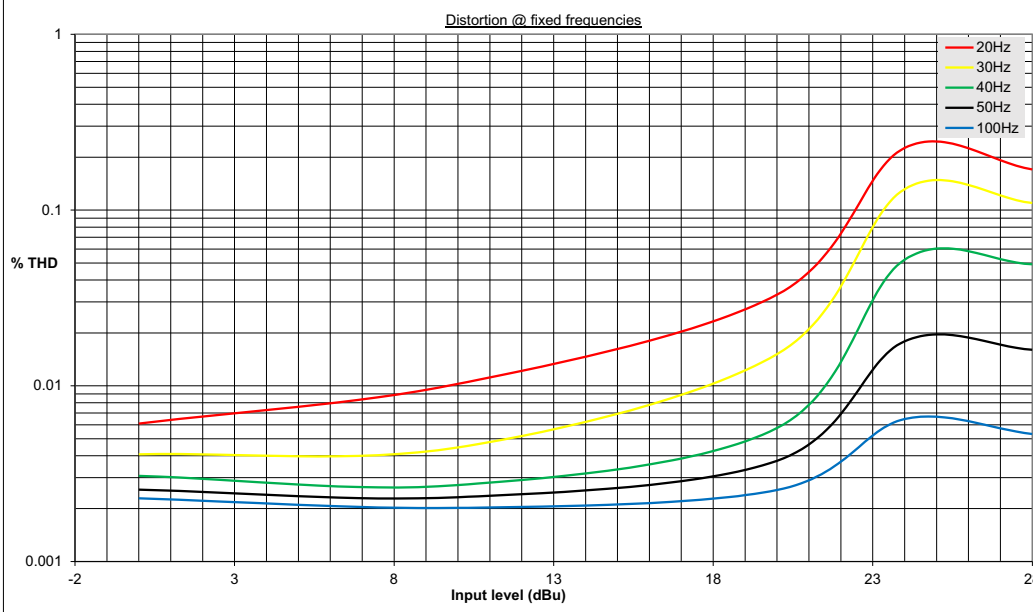
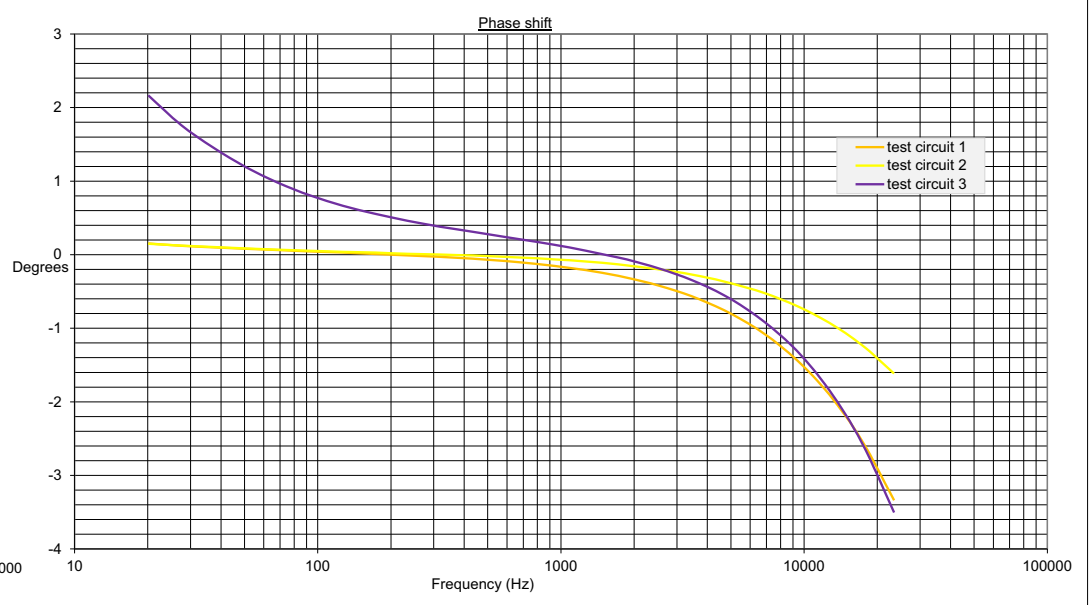
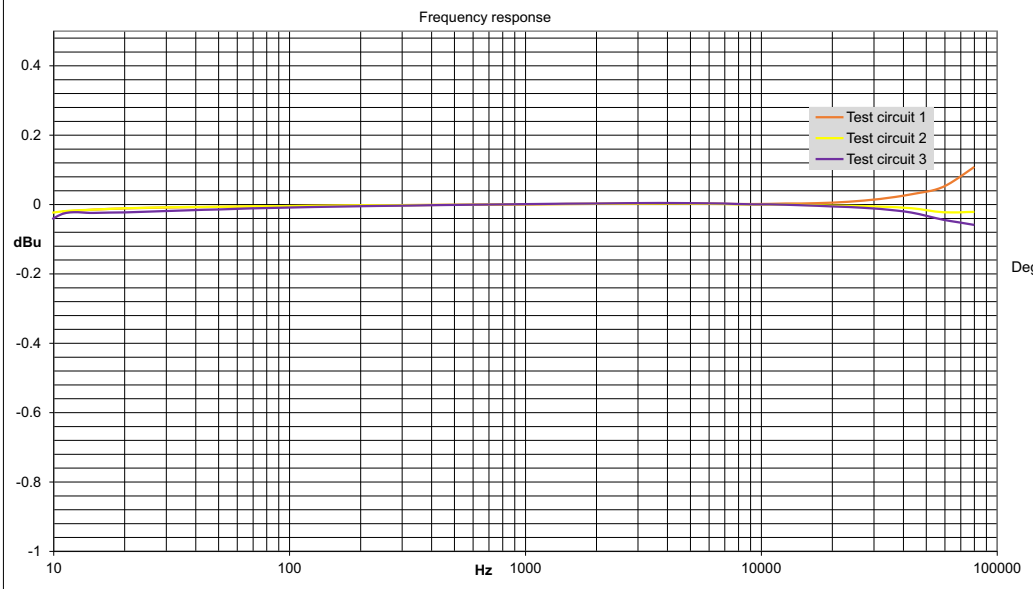
DESCRIPTION
PCB mounting output transformer

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED
1	25/03/25	CS	
2	02/04/25	CS	

DRAWING NUMBER

VTX-LOUT13



 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: N.A.	DESCRIPTION PCB mounting output transformer	ISSUE 1 2	DATE 25/03/25 02/04/25	DRAWN CS CS	CHECKED 	DRAWING NUMBER VTX-LOUT13