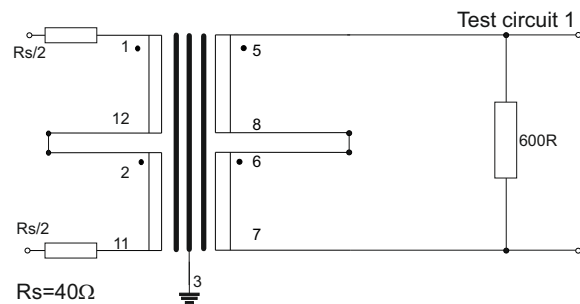


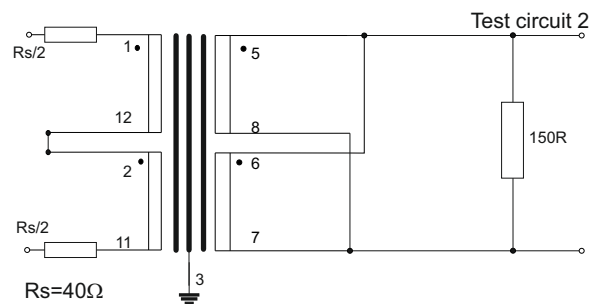


Specification (test circuit 1):
Turns ratio: 1 to 1 (series wired)

DC resistance (Ω +/-15%)
Windings 1+2 (1 - 11) = windings 3+4 (5 - 7): 40

Voltage gain @ 1kHz, -1.6dBu (typ.)

Maximum input @ 20Hz, <1% THD: 22dBu

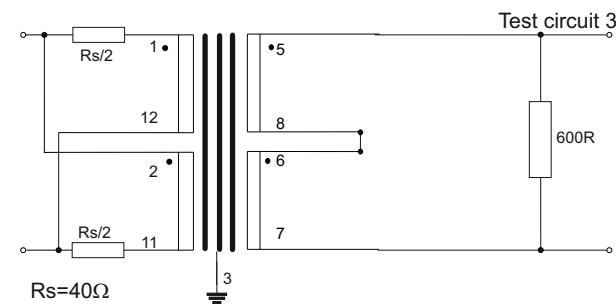


Specification (test circuit 2):
Turns ratio: 2 to 1 (parallel secondaries)

DC resistance (Ω +/-15%)
Windings 1+2 (1 - 11): 40
Secondaries (parallel) ((5+6) - (7+8)): 10

Voltage gain @ 1kHz, -7.5dBu (typ.)

Maximum input @ 20Hz, <1% THD: 22dBu

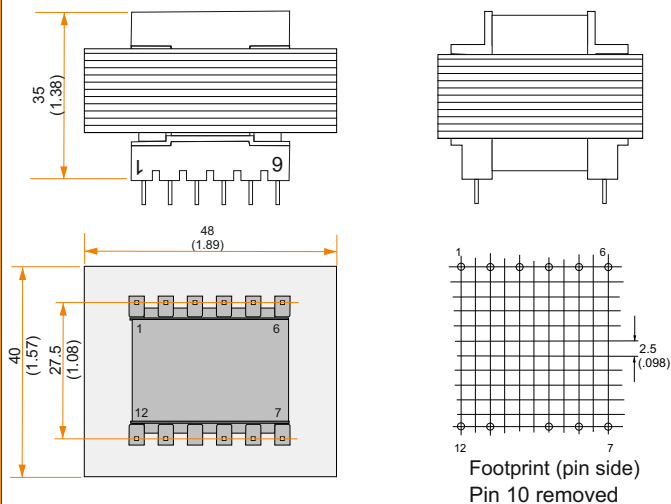


Specification (test circuit 3):
Turns ratio: 1 to 2 (parallel primaries)

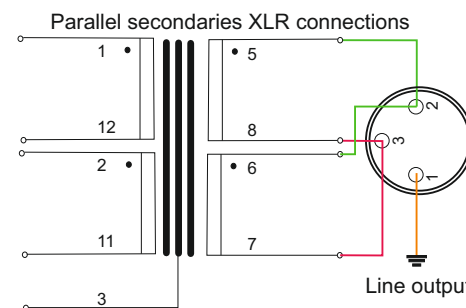
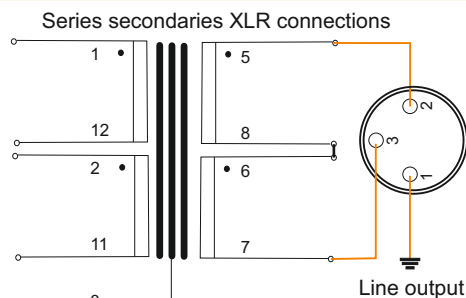
DC resistance (Ω +/-15%)
primaries (parallel) (1+2) - (11+12): 10
Secondary (series) (5 - 7): 40

Voltage gain @ 1kHz, 3dBu (typ.)

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



Pin diameter 0.635mm sq. (0.025)
Mass: 0.28kg
Tolerance on dimensions in mm: +/- 0.1 unless stated otherwise.
Inches shown in brackets.
Tolerance on dimensions in inches: +/- 0.005" unless stated otherwise.



Description:

Quadfilar line output transformer

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

22dB drive level @ 20Hz <0.2% THD (1 to 1 and 2 to 1 configuration)

Reflected input impedance (1:1) (Ω): 674 Ω (typ.) @ 1kHz
Output impedance (1:1) (Ω): 79 Ω (typ.) @ 1kHz (5/6/7/8 S/C)

Insertion loss (1:1): 1.1dB (typ.)
Leakage inductance (1:1) @ 1kHz (1 - 11) (5/6/7/8 S/C): 32uH (typ.)

Interwinding capacitance @ 10kHz, 0.1V:
Cp-s: 18nF (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

VIGORTRONIX LTD
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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

All dimensions in mm unless stated otherwise

ISSUE

1

DATE

28/03/25

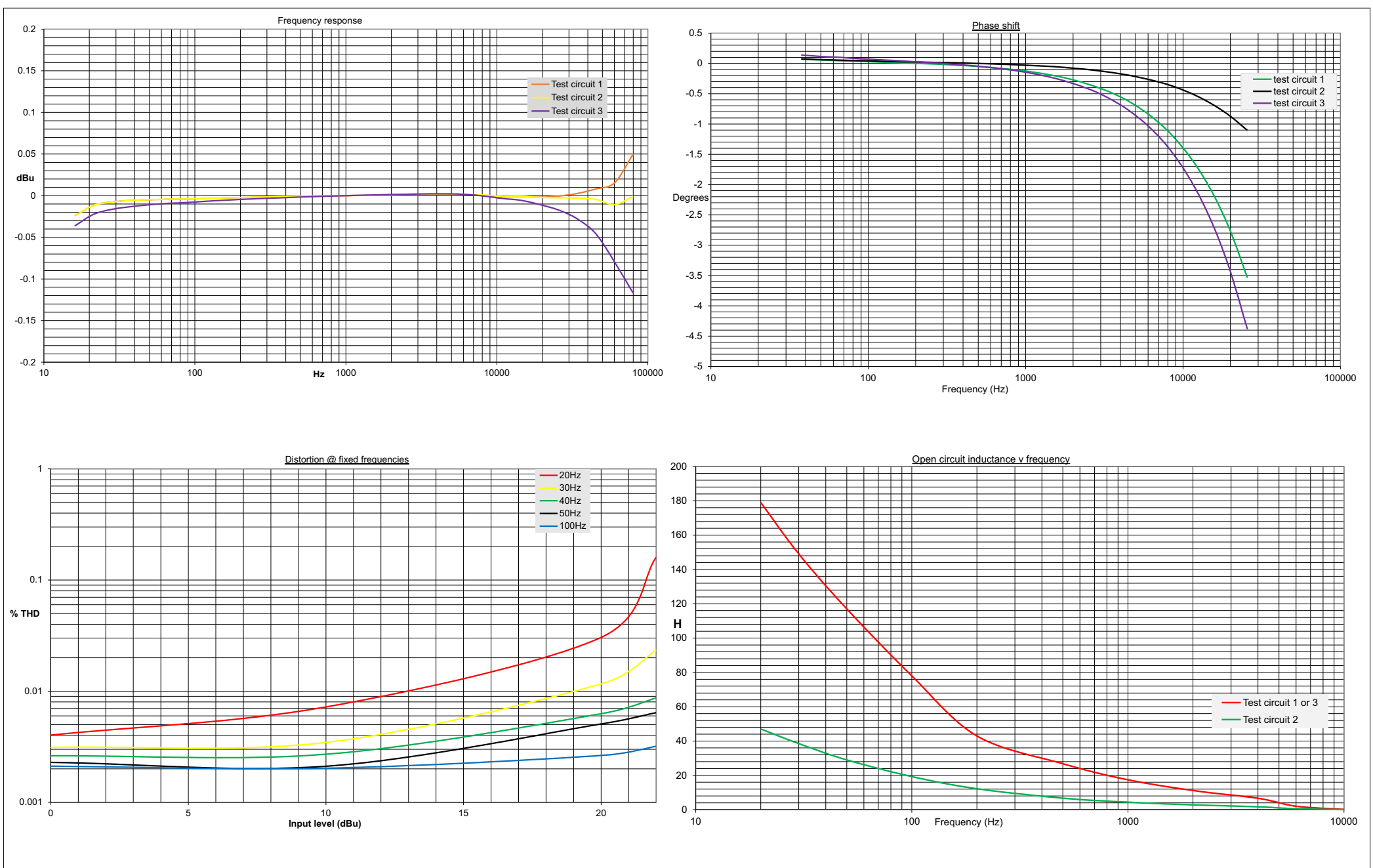
DRAWN

CS

CHECKED

DRAWING NUMBER

VTX-LOUT24



 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	All dimensions in mm unless stated otherwise	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER VTX-LOUT24
					1	28/03/25	CS		
					2	28/0			