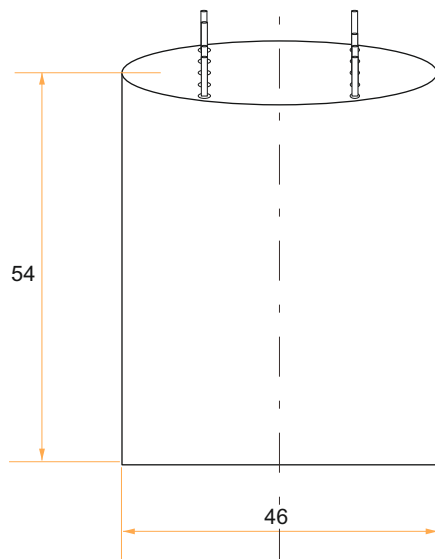
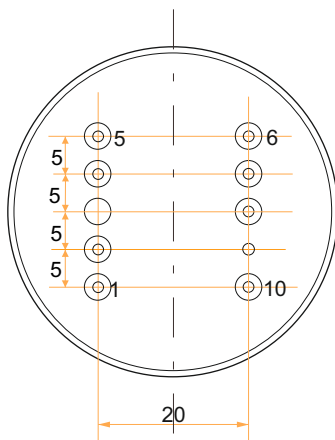


Pins 3
not fitted.



Mass = 0.31kg
Tolerance on can dimensions: +/- 1mm

Application:

High performance moving coil step up transformer
for low to medium impedance cartridges

Input -2dBu 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

For ratio 1:20

Primaries: link 4+5 and link 1+2

Secondaries: link 7+8

For ratio 1:10

Primaries: link 2+4

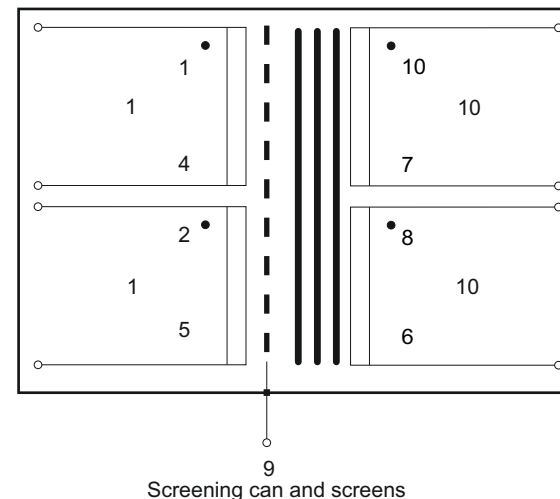
Secondaries: link 7+8

Hi-pot, primaries to secondaries: 500VDC

Windings to screens+can: 500VDC

Operating temperature range: 0 to +70°C

Storage temperature range: -25°C to +120°C



Electrical specification @ 23°C:

Turns ratio: 1+1 to 10+10

Cartridge impedance: 1 - 40Ω

DC resistance (Ω+/-15%)

Primary: 0.36+0.36

Secondary : 43+43

Input impedance (Ω): 101 (typ.) @ 1kHz

Output impedance (Ω): 400 (2R source)

700 (5R source)

Frequency response: 16Hz - 55kHz (+/-0.25dB)

Voltage gain @ 1kHz, -20dBu: (1 to 10) 19.5dBu (typ.)

(1 to 20): 24.4dBu (typ.)

Maximum input @ 20Hz, <1% THD: -2dBu

Insertion loss: 0.1dB (typ.)

Leakage inductance (10 - 6) @ 1kHz: 2mH (max.)

Capacitances @ 10kHz, 0.1V:

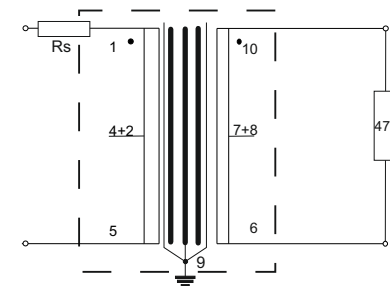
Cp-s: 365pF (typ)

Cp-s: 5pF (typ.) screens and can earthed

Cp-scr: 710pF (typ.)

Cs-scr: 770pF (typ.)

Test circuit 1, Rs=20R



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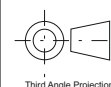
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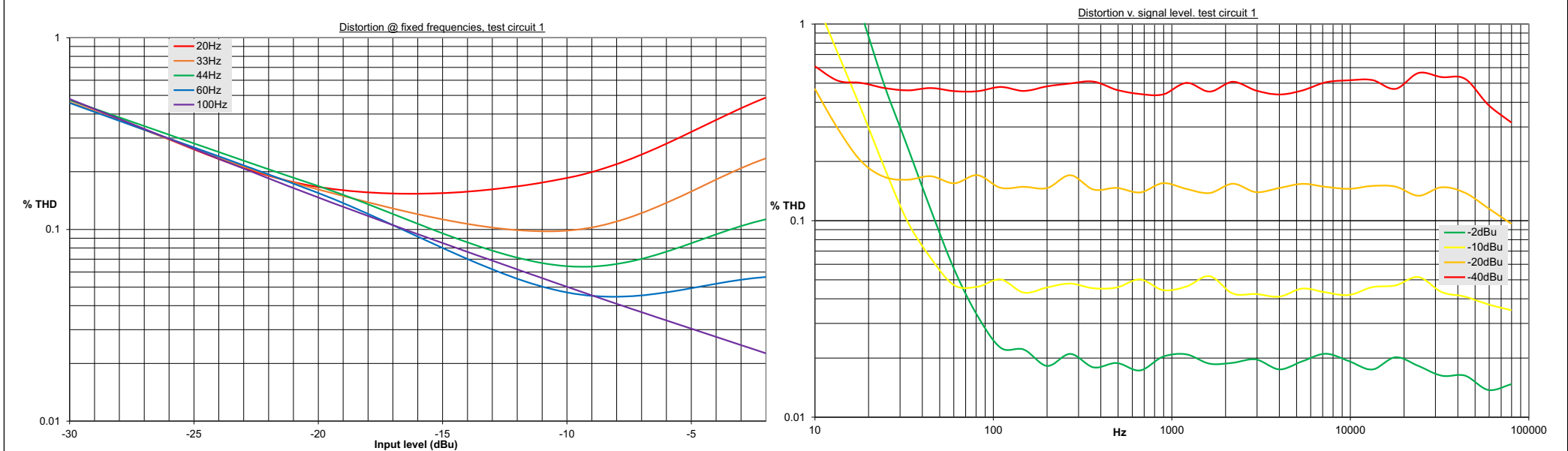
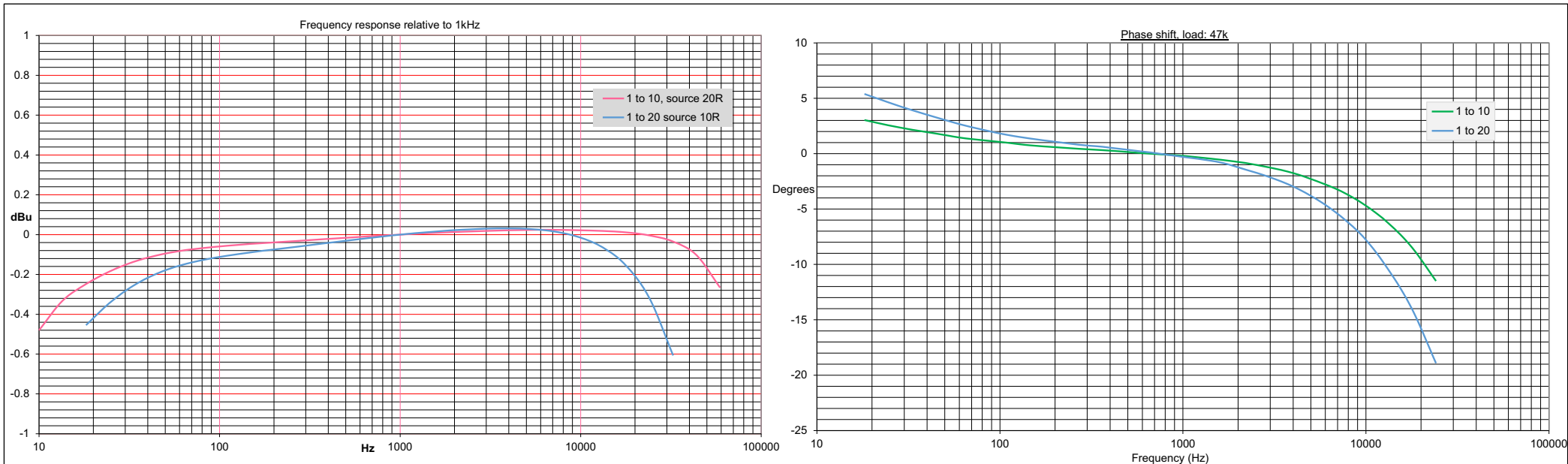
1+1 to 10+10 moving coil step up transformer
Page 1 of 3



Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	25/04/25	CS		VTX-MC3
2	30/04/25	CS		
3	17/06/25	CS		



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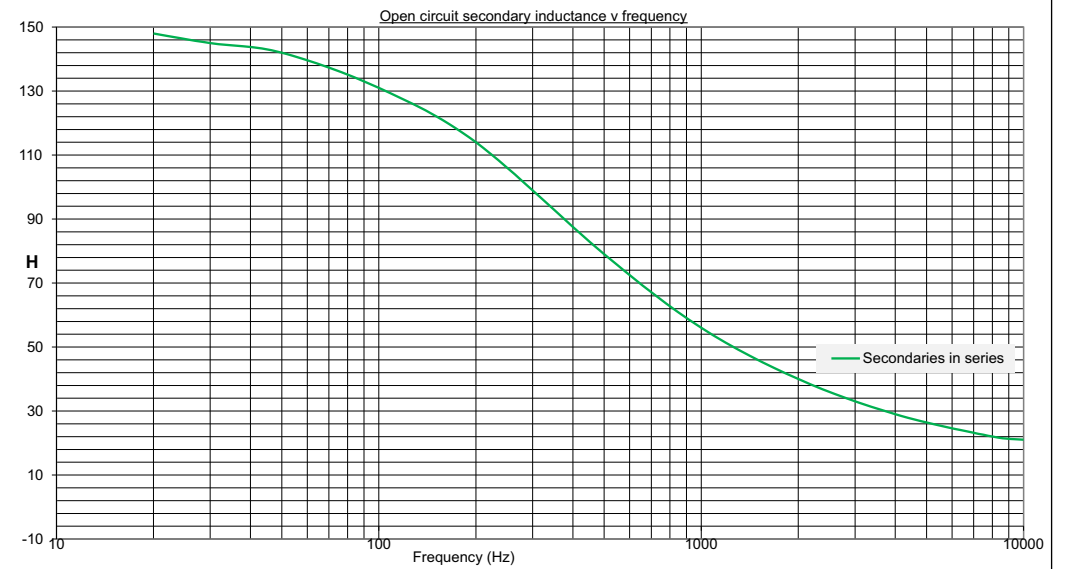
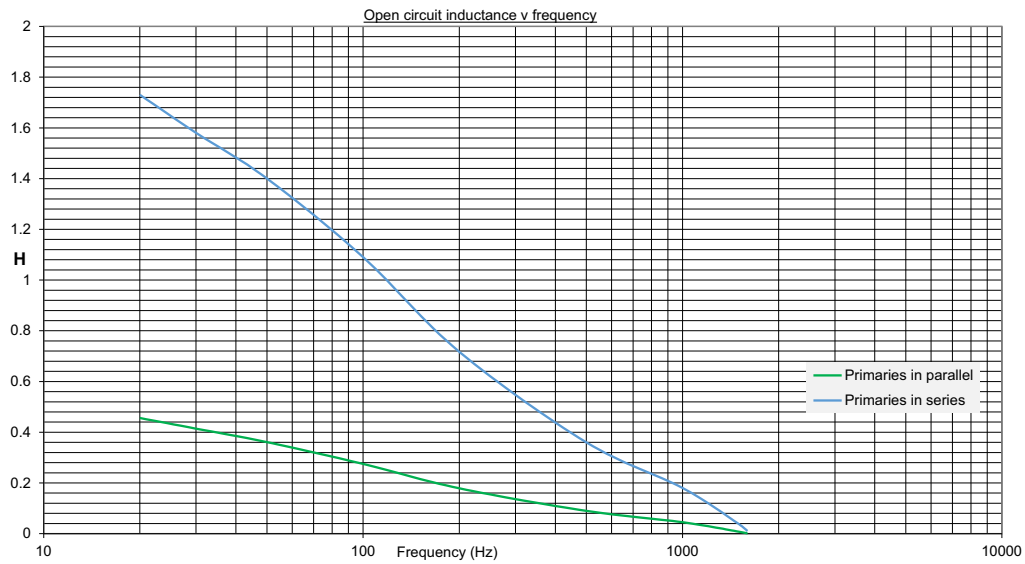
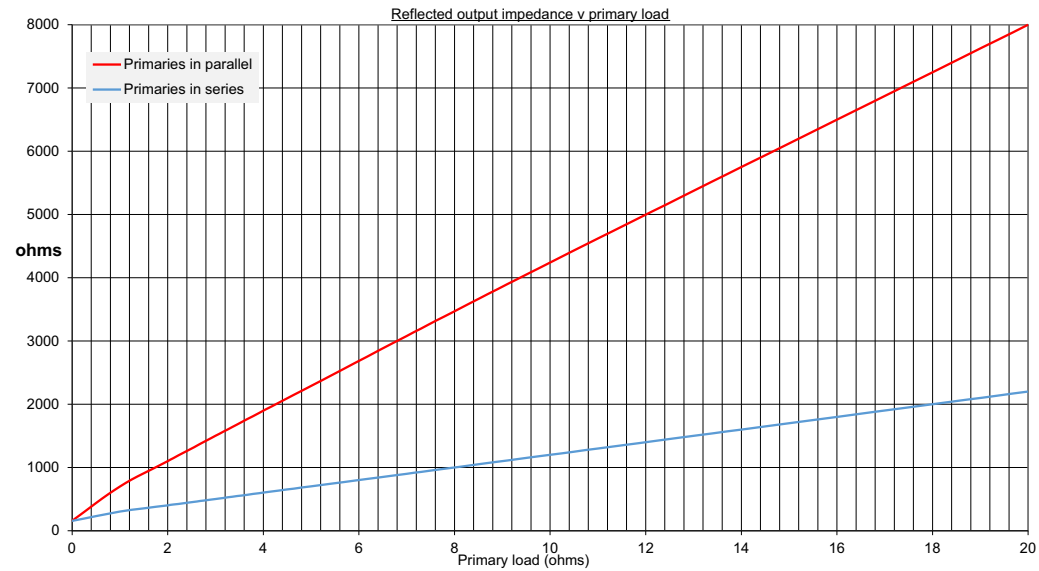
DESCRIPTION

1+1 to 10+10 moving coil step up transformer
Page 2 of 3

Scale: nts

All dimensions in mm unless stated otherwise

ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1	25/04/25	CS		VTX-MC3
2	30/04/25	CS		
3	17/06/25	CS		



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DESCRIPTION	ISSUE	DATE	DRAWN	CHECKED	DRAWING NUMBER
1+1 to 10+10 moving coil step up transformer Page 3 of 3	1	25/04/25	CS		VTX-MC3
	2	30/04/25	CS		
	3	17/06/25	CS		
Scale: nts					
All dimensions in mm unless stated otherwise					