Reichenbach Engineering

CMLI-600/600C

Line Input Transformer
1 : 1 Turns ratio

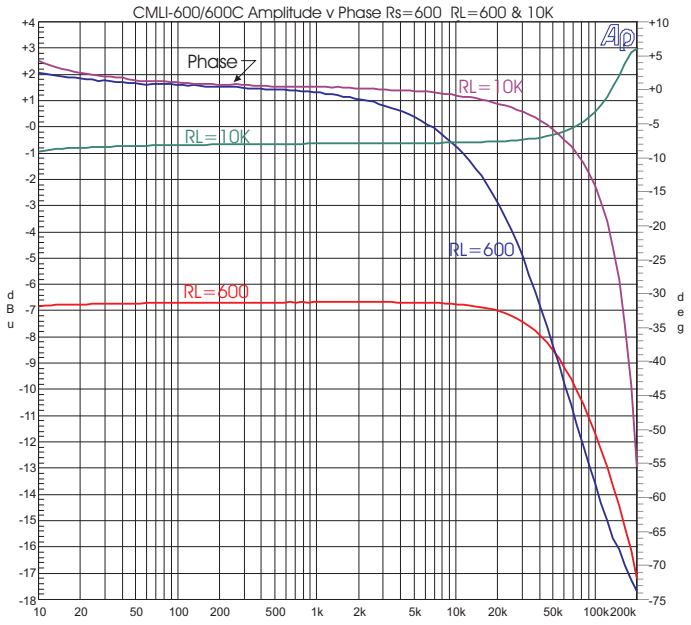
- 600 Ohm line input transformer
- Good bandwidth under different loading conditions on secondary (- 3 dB at 70 kHz)
- Excellent CMRR
- Good maximum input signal capability

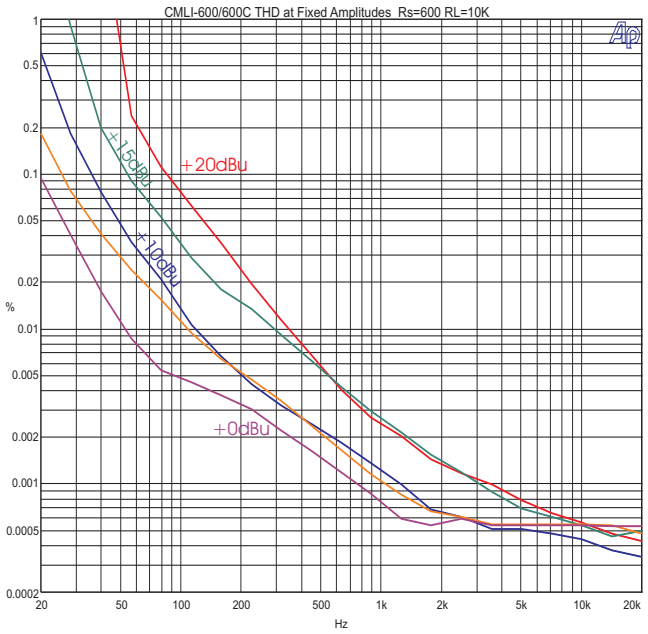
The CMLI-600/600C is commonly used in commercial grade applications. It has very good bandwidth, common mode rejection ratio (CMRR), and distortion characteristics. It is available both in a p.c. mount package as well as with lead wires with and without threaded bushing or threaded studs. The CMLI-600/600C is encased in a µMetal can which provides better than 30 dB of magnetic shielding. As with all CineMag transformers, the wires from the internal foil shields between windings are all spot welded for maximum long term reliability.

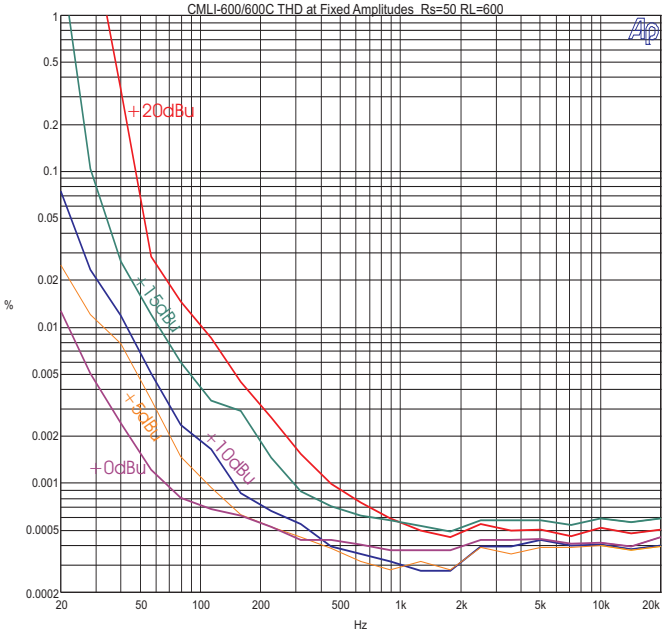
CMLI-600/600C CMLI-600/600CPC

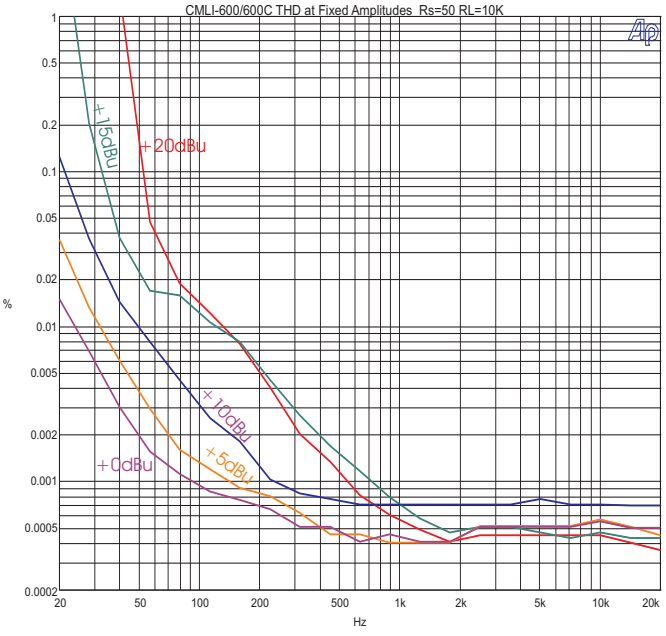
Parameter	Conditions	Typ
Turns Ratio		1 : 1.00
Distortion (THD+N%)	1 kHz, +0.0 dBu Test Circuit 1 20 Hz, +0.0 dBu Test Circuit 1	0.0006% 0.01%
Max 20 Hz input level	1.0% THD; 50 Ω input, 600 secondary load impedance 1.0% THD; 50 Ω input, 10K secondary load impedance Test Circuit 1	+14 dBm +13dB
Response, ref 1 kHz	20 Hz Rs=600 RL=600 Test Circuit 1 20 kHz Rs=600 RL=600 Test Circuit 1 -3 dB	-0.02 dB -0.2 dB 70 kHz
Phase Shift at 20 Hz Phase Shift at 20 kHz	Referenced to source generator Test Circuit 1	+2° -16°
CMRR	60 Hz Test Circuit 2 per IEE Std 389-1996 ¶19 1 kHz Test Circuit 2 per IEE Std 389-1996 ¶19	115dB 92dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max
Max Soldering Temp (p.c.)	10 Seconds	270°C Max

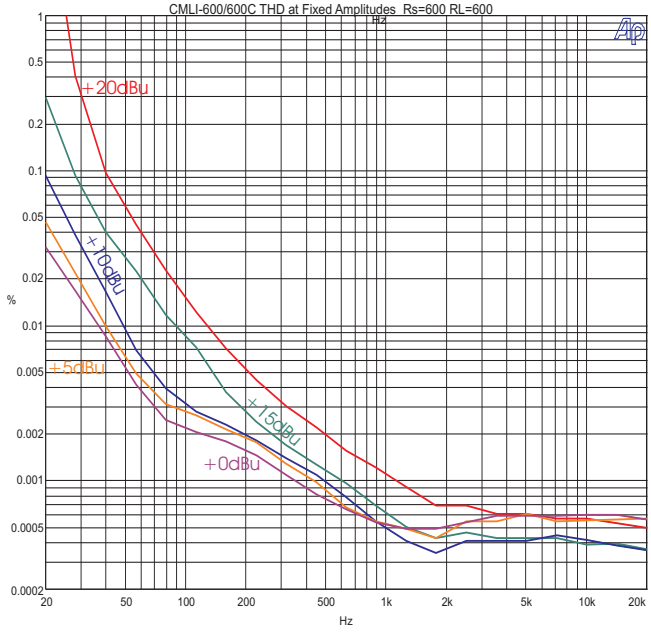
9050 Independence Ave. Canoga Park, California 91304 ☎(818) 993-4644 ✉ cinemag@cinemag.biz http://www.cinemag.biz

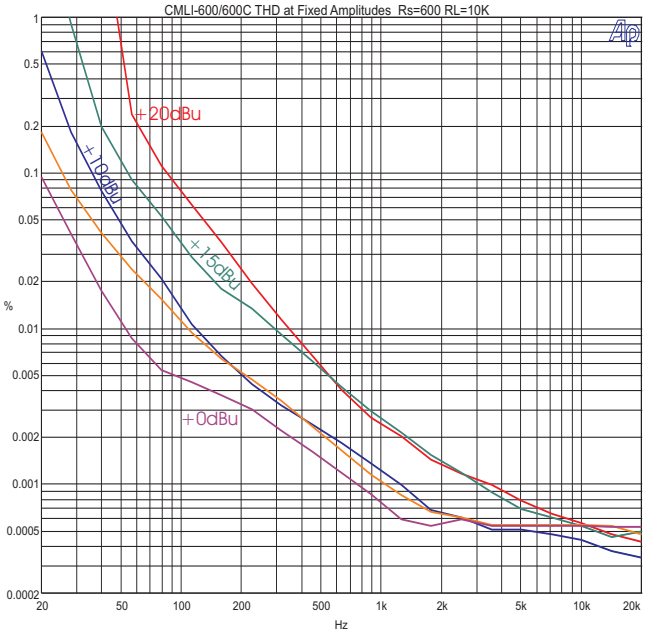


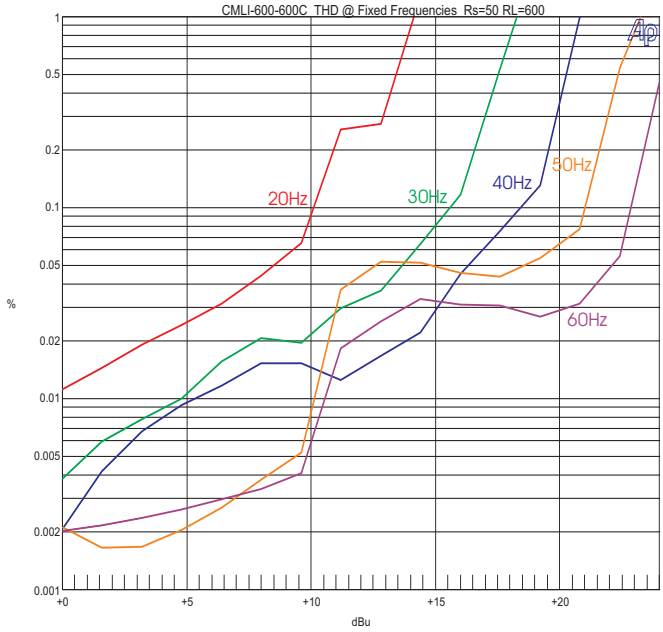


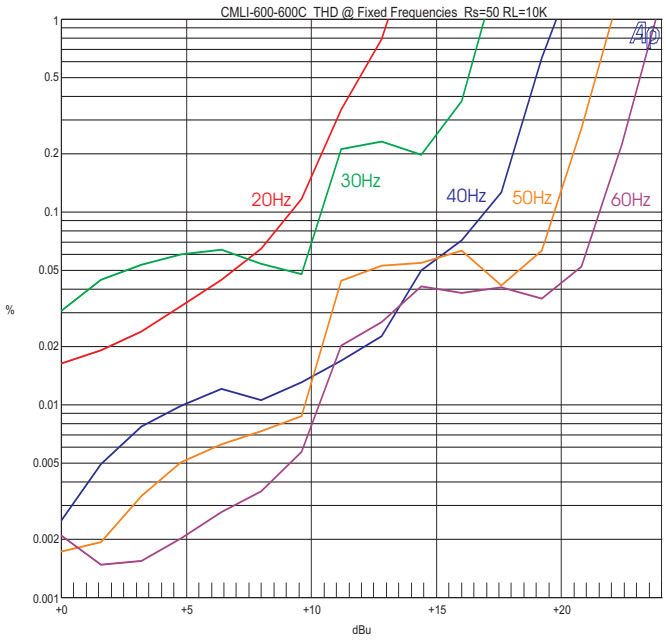


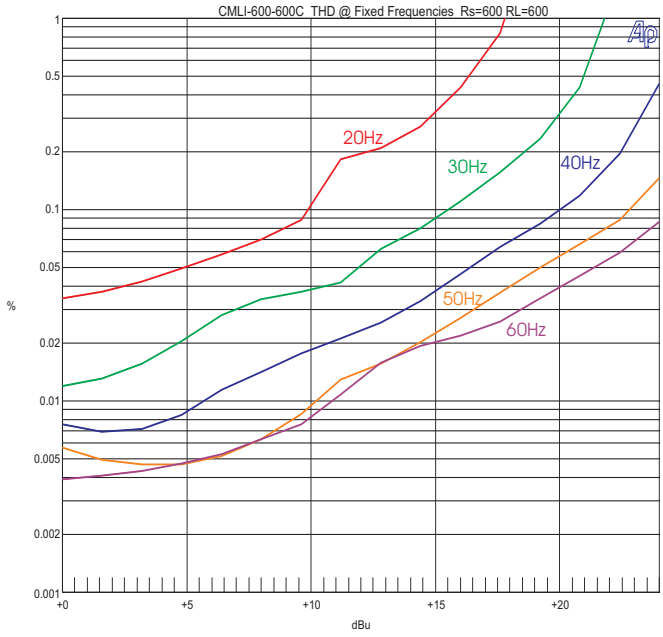


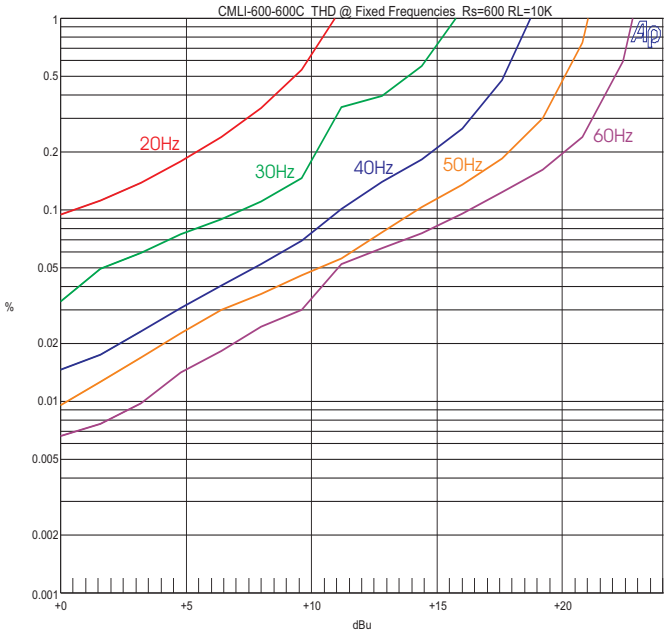


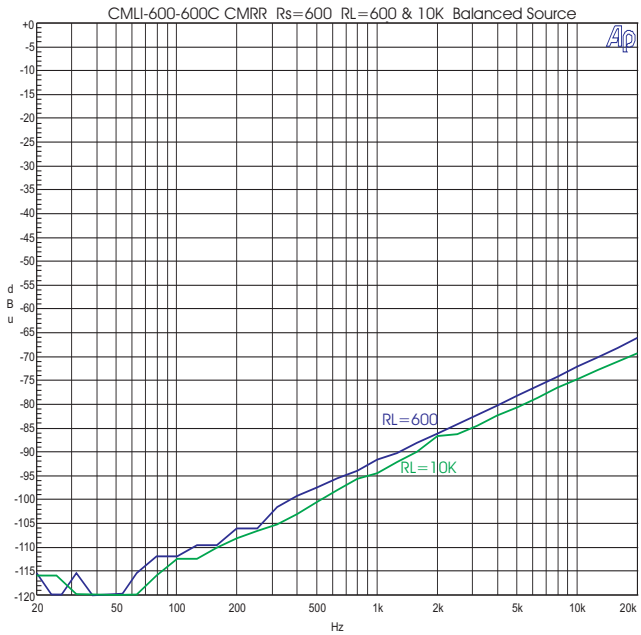


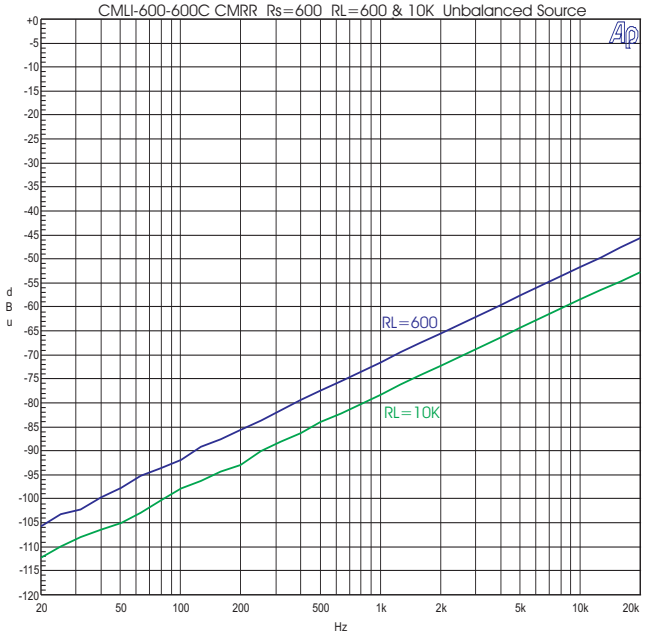


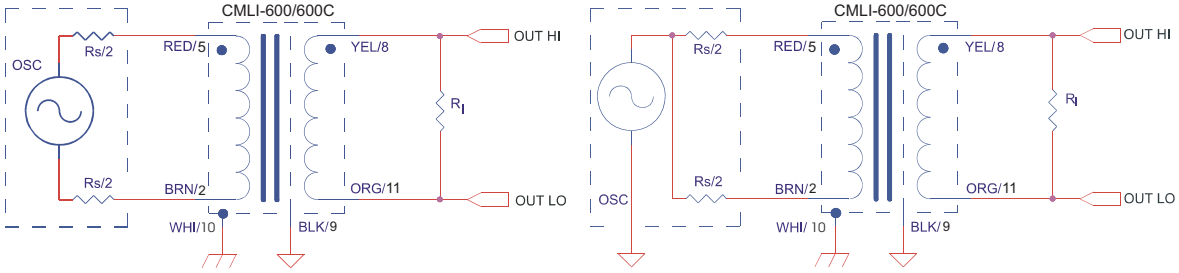






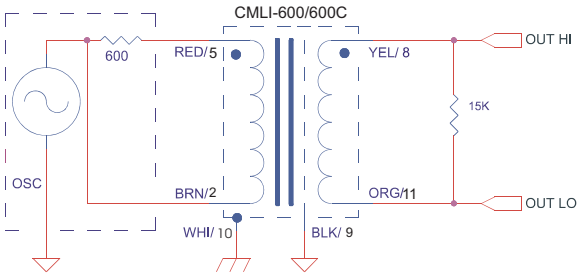






TEST CIRCUIT 1

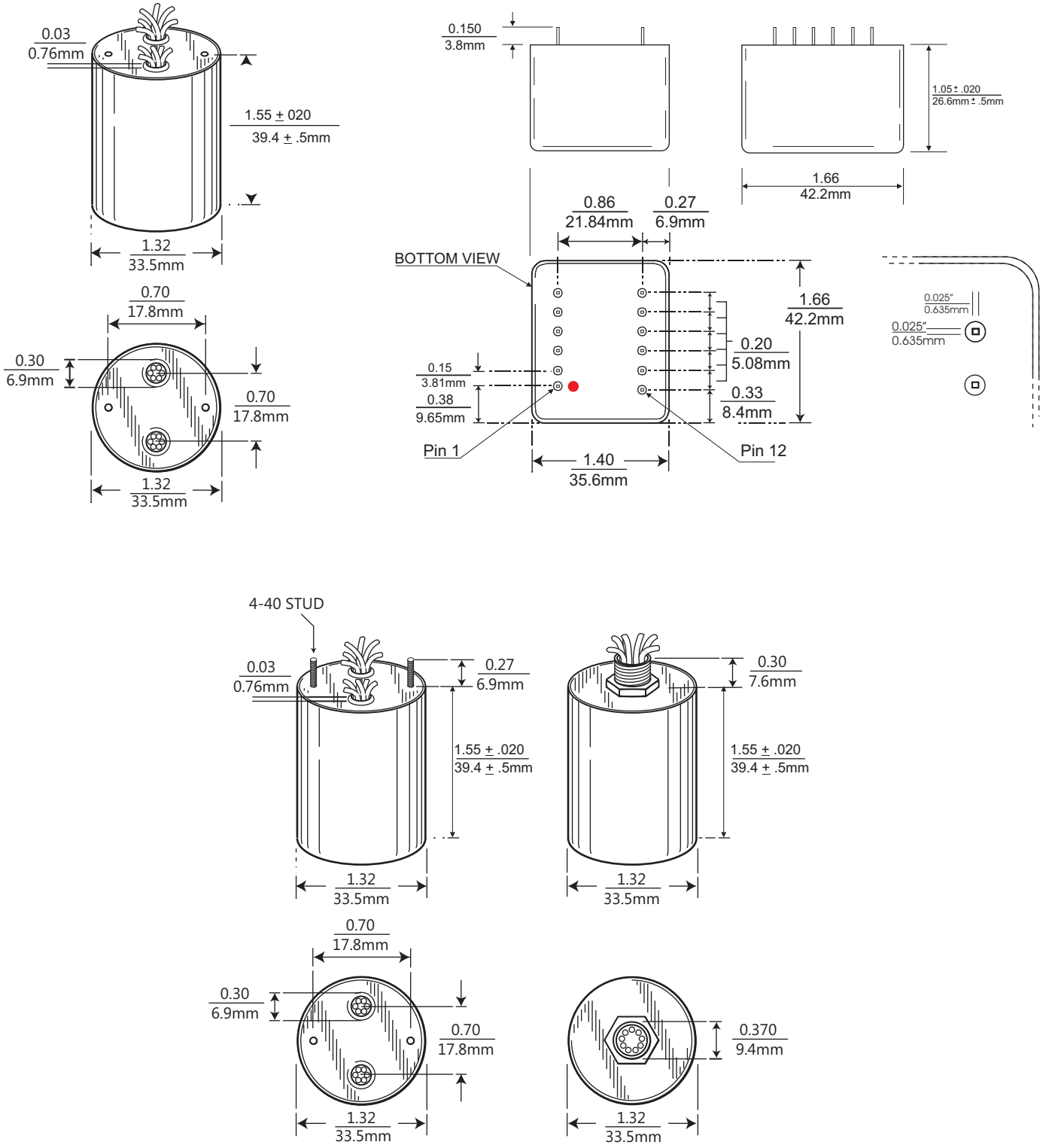
TEST CIRCUIT 2



TEST CIRCUIT 3

NOTES:

1. All graphs generated from one (1) randomly chosen Device. No statistical averaging or weighting. Data from one sweep.


0.03
0.76mm
1.55 ± 020
39.4 ± .5mm
1.32
33.5mm
0.70
17.8mm
0.30
6.9mm
0.70
17.8mm
1.32
33.5mm
0.150
3.8mm
1.05 ± .020
26.6mm ± .5mm
1.66
42.2mm
0.86
21.84mm
0.27
6.9mm
BOTTOM VIEW
1.66
42.2mm
0.025"
0.635mm
0.025"
0.635mm
0.20
5.08mm
0.15
3.81mm
0.38
9.65mm
0.33
8.4mm
Pin 1
Pin 12
1.40
35.6mm
4-40 STUD
0.03
0.76mm
0.27
6.9mm
1.55 ± .020
39.4 ± .5mm
1.32
33.5mm
0.30
7.6mm
1.55 ± .020
39.4 ± .5mm
1.32
33.5mm
0.70
17.8mm
0.30
6.9mm
0.70
17.8mm
1.32
33.5mm
0.370
9.4mm
1.32
33.5mm