



QUALITY MAGNETICS SINCE 1979

# CMLI-10/600B/PC

## Professional to Consumer Level 4:1 Turns Ratio/10K:600Ω

- **Very wide bandwidth**
- **Excellent distortion & level handling**
- **Excellent CMRR**
- **Available with leads or p.c. pins**

The CMLI-10/600B transformer takes a professional level signal (“600 Ohms”) and convert it to a signal that is compatible with consumer electronics devices, or from consumer level to 600 Ohm level. It has excellent bandwidth and distortion characteristics. The mu-metal can provides excellent magnetic field shielding. Faraday shielding between windings permits a high degree of isolation of the consumer grade equipment from the professional level source.

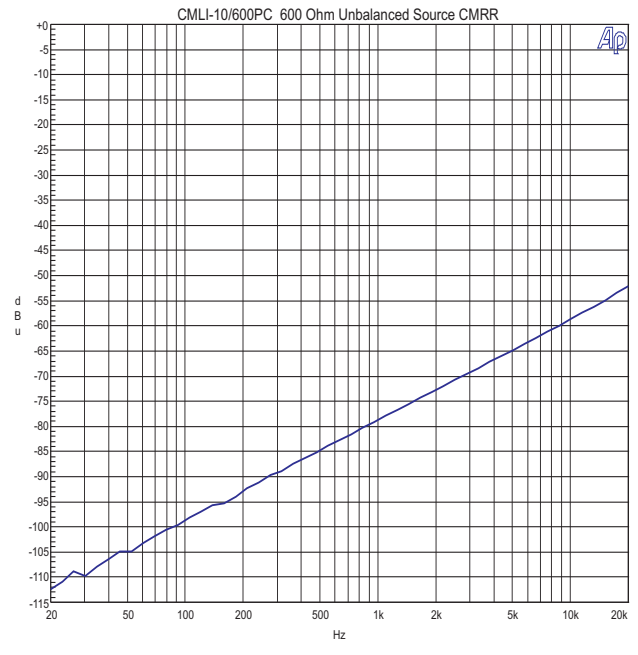
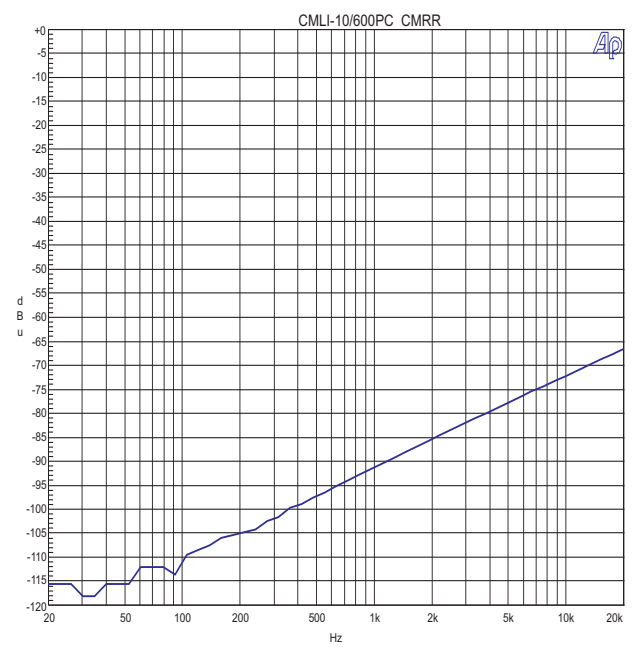
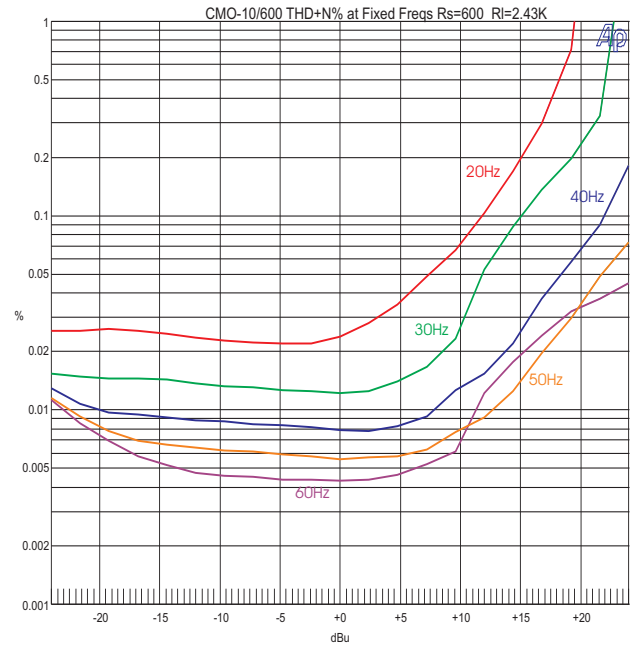
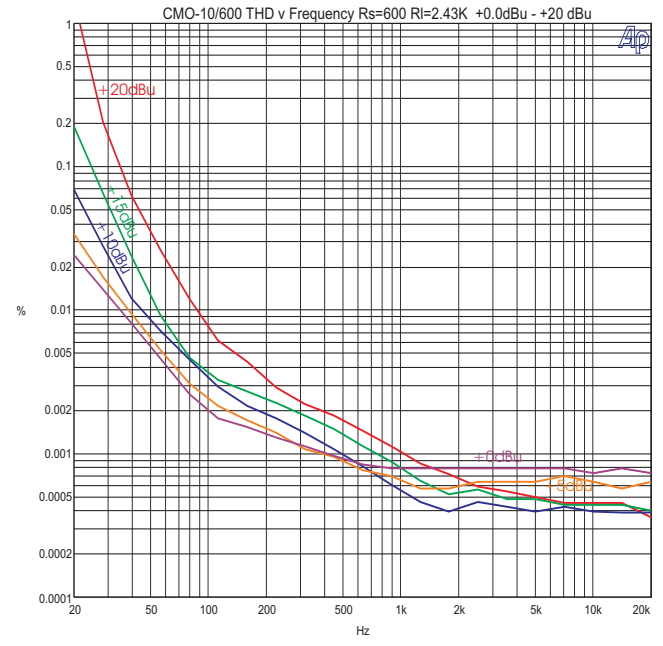
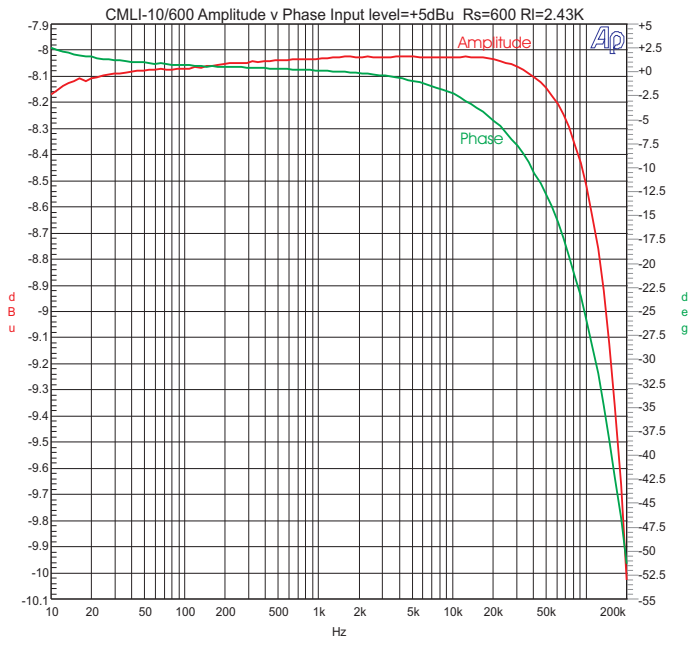
### CMLI-10/600B & CMLI-10/600BPC

Parameter	Conditions	Typ
Turns Ratio		4.0 : 1
Voltage Gain	1kHz Rs=600 RL=2.43K	-14.7dBu
Distortion (THD+N%)	1 kHz, +20.0 dBu Rs=600 RL=2.43K 20 Hz, +10.0 dBu Test Circuit 1	0.001% 0.07%
Max 20 Hz input level	1.0% THD Rs=10K RL=1.5K Test Circuit 1	+19 dBu
Response, ref 1 kHz	10 Hz Rs=600 RL=2.43K Test Circuit 1 20 kHz Rs=600 RL=2.43K Test Circuit 1 200kHz Rs=600 RL=2.43K	-0.1 dB +0.05 dB -2dBu
Phase Shift at 20 Hz Phase Shift at 20 kHz	Referenced to source generator Rs=600 RL=2.43K Test Circuit 1	+2° -5°
CMRR	60 Hz Test Circuit 2 per IEE Std 389-1996 ¶19 1 kHz Test Circuit 2 per IEE Std 389-1996 ¶19 Rs=20K RL=1.5K	112 dB 92dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max
Maximum Soldering Temp	5 Seconds CMLI-10/600BPC	335°C Max.

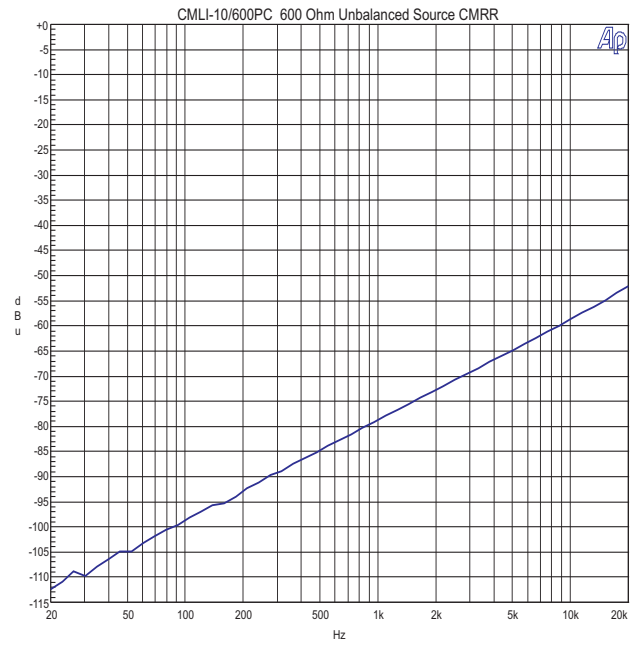
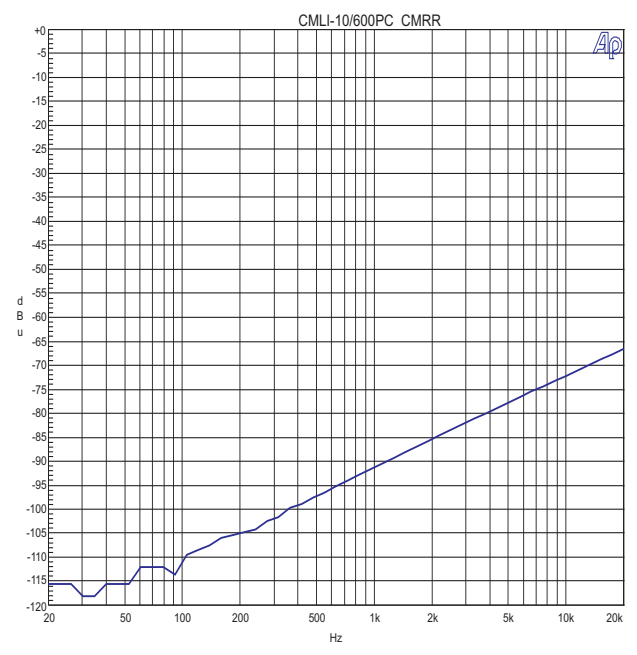
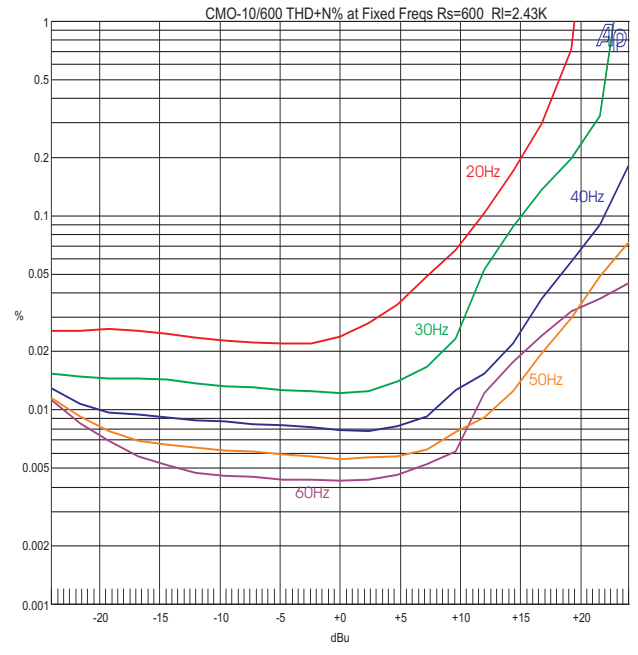
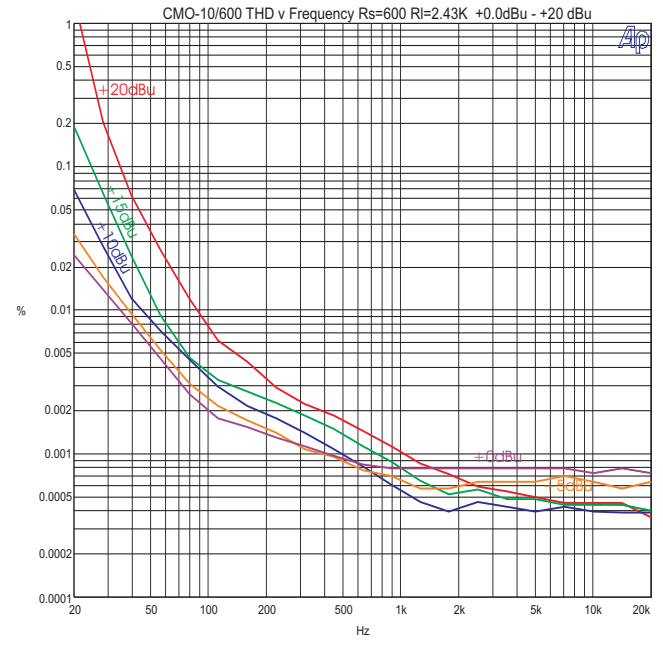
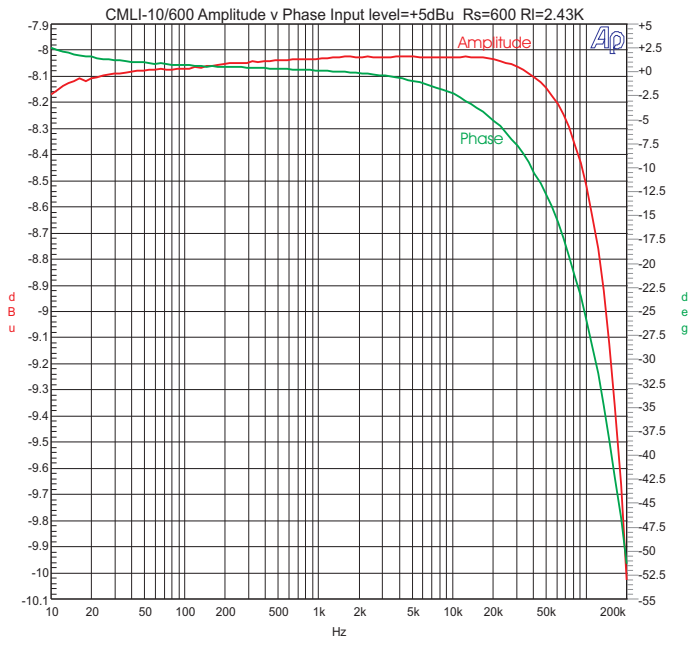
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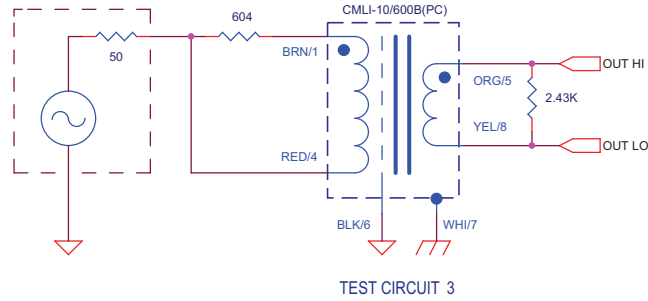
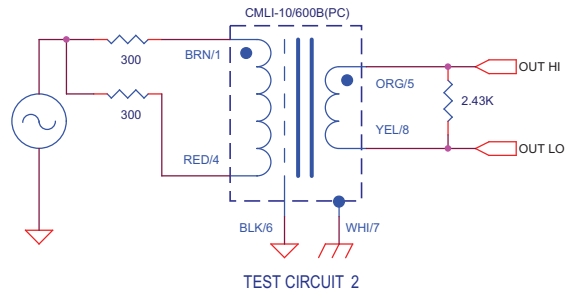
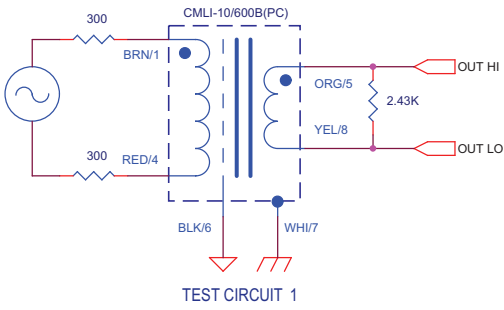
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NOTE: All graphs generated from one (1) randomly chosen device. No statistical averaging or weighting. Data from one sweep.



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### Hookup Example

