



Reichenbach Engineering



CMLI-15/15APC

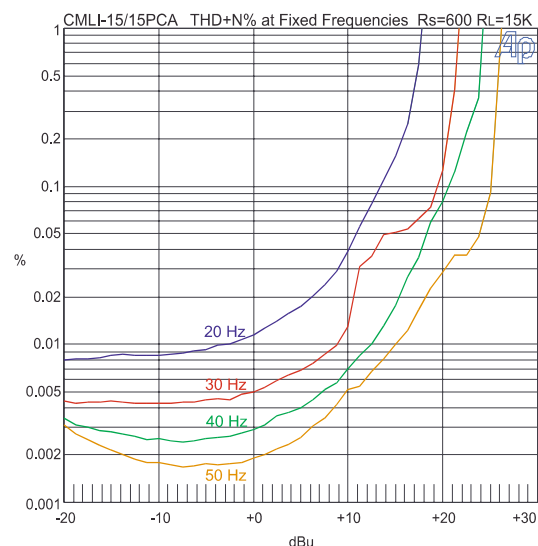
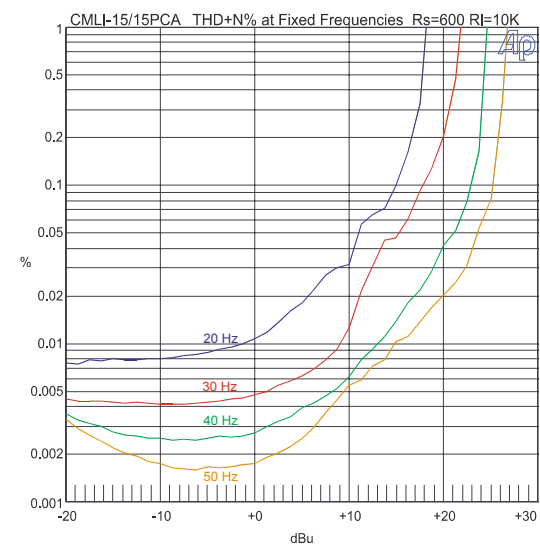
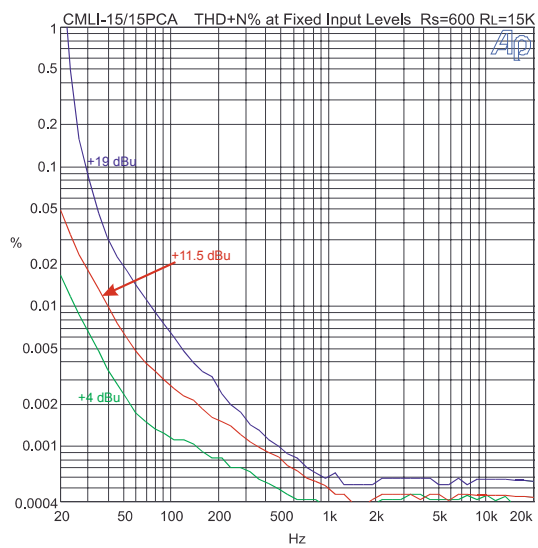
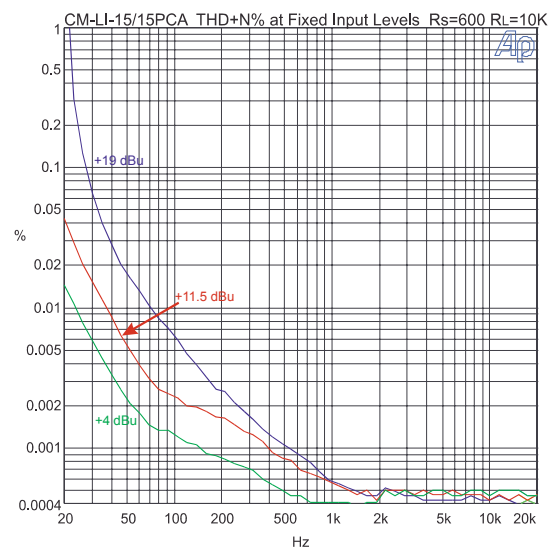
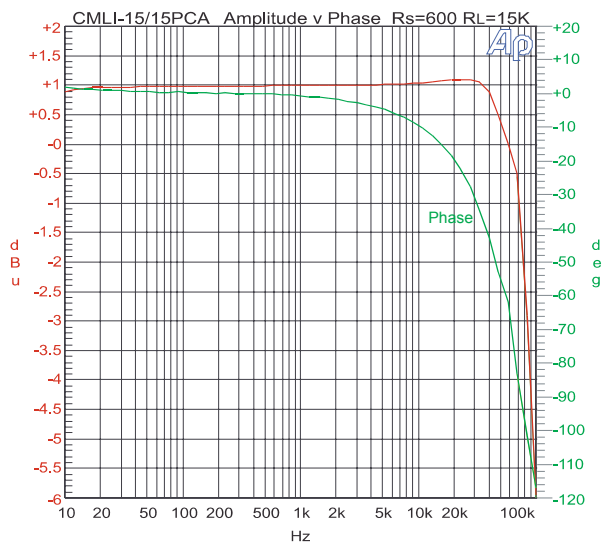
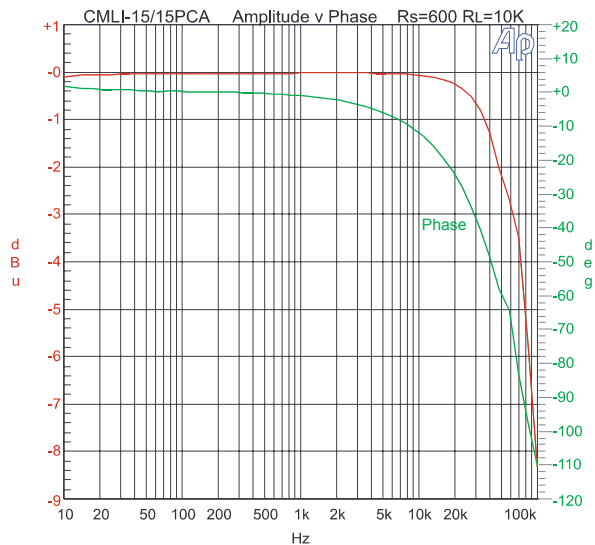
Line Input Transformer 1 : 1 Winding Ratio

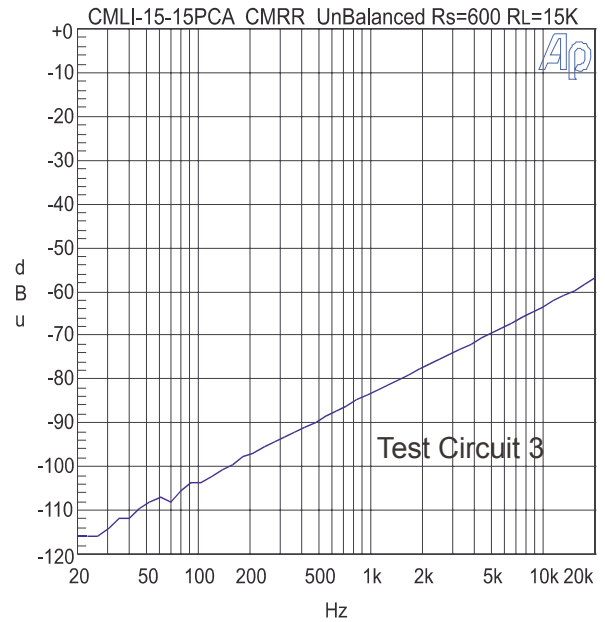
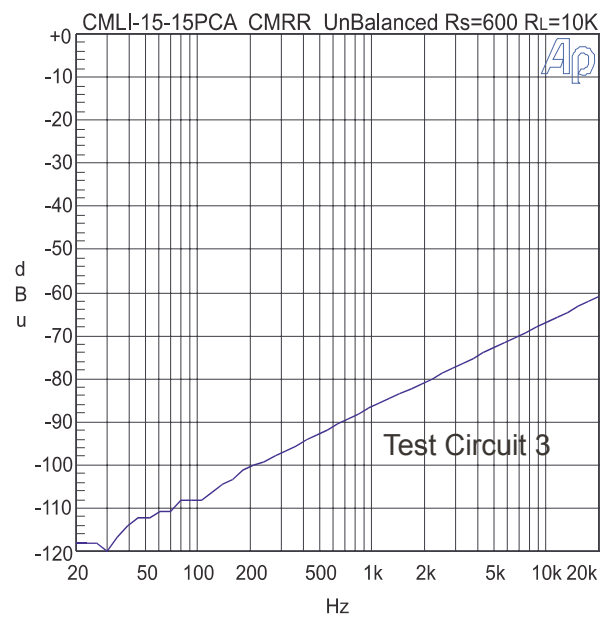
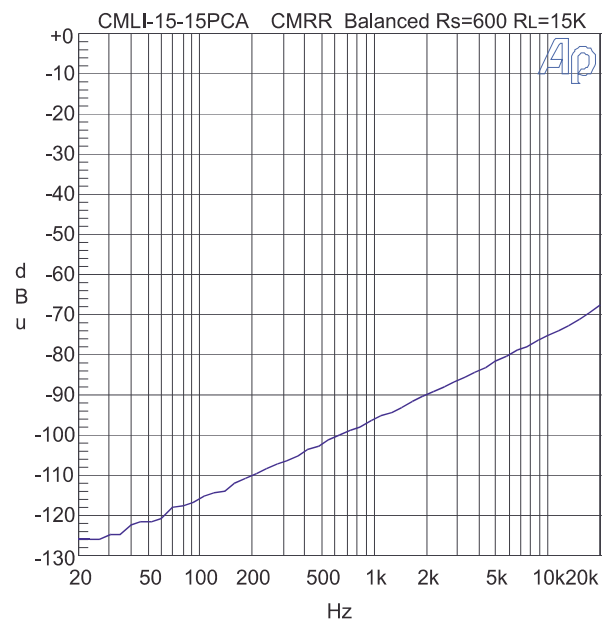
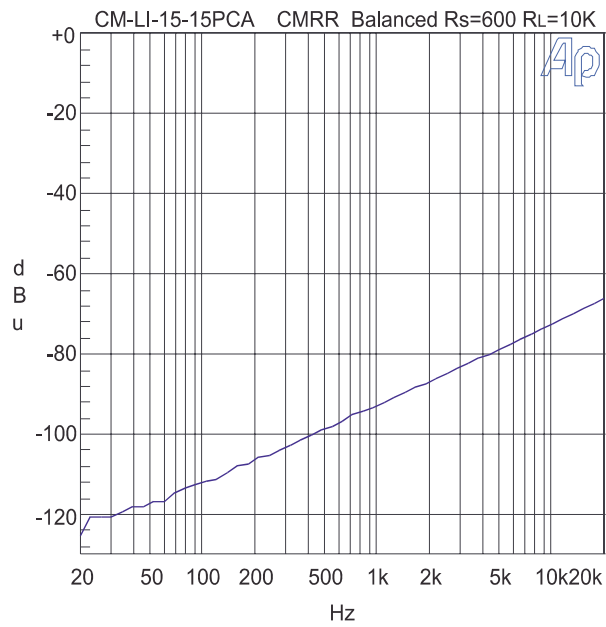
- Use to balance unbalanced inputs
- High input impedance: 18k Ω with 15K load
- Good bandwidth (-3 dB at 82 kHz - 15K load)
- Excellent CMRR: 116 dB at 60 Hz
- Maximum input level +18 dBu at 20 Hz

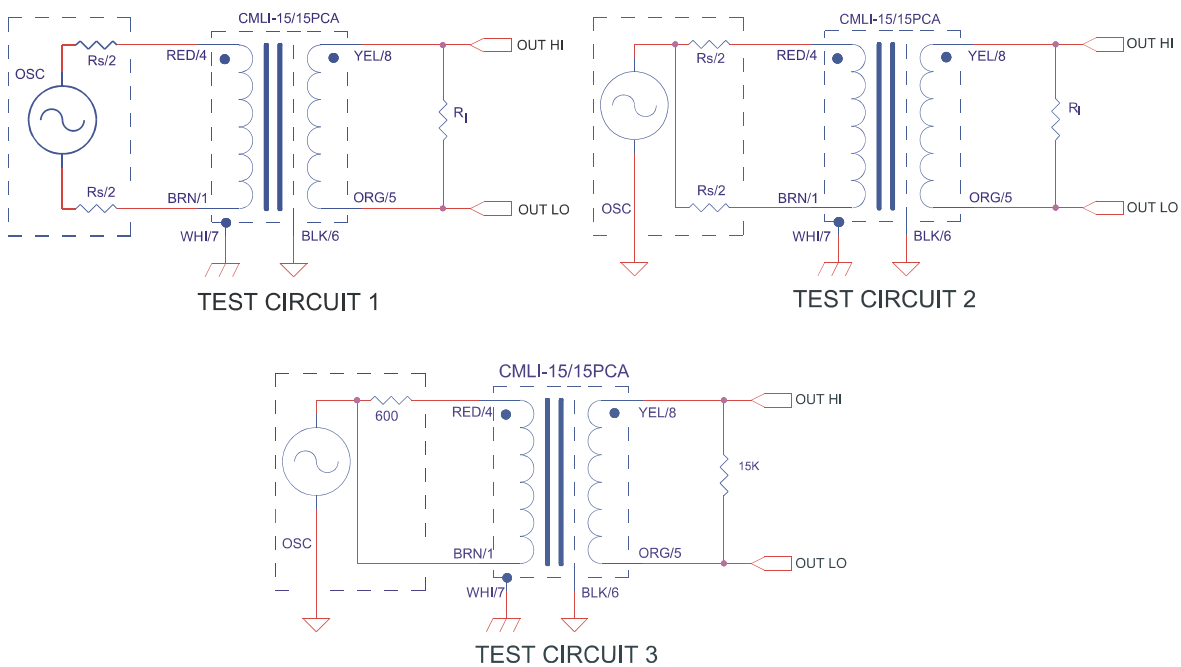
The CineMag CMLI-15/15APC is commonly employed with wideband input amplifiers. It exhibits good bandwidth, common mode rejection ratio (CMRR), and low distortion. It is designed to be driven by 600 Ohm lines. All of the drain wires to the Faraday shield foils are spot welded for maximum long term reliability, which is the procedure for all CineMag transformers. It is encased in a μ -metal can which provides 30dB or more of shielding from stray magnetic fields. Printed circuit pins only.

CMLI-15/15APC

Parameter	Conditions	Typ
Turns Ratio		1 : 1.00
Input impedance, Zi	1 kHz, +4 dBu $R_L=15k$ Test Circuit 1 1 kHz, +4 dBu $R_L=10k$ Test Circuit 1	18.0 k Ω 13.0 k Ω
Voltage Gain	1 kHz, +4 dBu Test Circuit 1 $R_s=600\Omega$ $R_L=15 k\Omega$	-2.2 dB
Distortion (THD+N%)	1 kHz, +4 dBu Test Circuit 1 $R_s=600$ $R_L=15K$ 20 Hz, +4 dBu Test Circuit 1 $R_s=600$ $R_L=15K$	0.0004% 0.015%
Max 20 Hz input level	1.0% THD; $R_s=600\Omega$ $R_L=15K\Omega$ Test Circuit 1	+18 dBu
Response, ref 1 kHz	20 Hz +4 dBu $R_s=600\Omega$ $R_L=15K\Omega$ Test Circuit 1 20 kHz +4 dBu $R_s=600\Omega$ $R_L=15K\Omega$ Test Circuit 1	-0.03 dB +0.1 dB
Phase Shift at 20Hz Phase Shift at 20 kHz	Referenced to source generator Test Circuit 1	+1° -20°
CMRR	60 Hz Test Circuit 2 per IEEE Std 389-1996 ¶19 $R_L=15K\Omega$ 1 kHz Test Circuit 2 per IEEE Std 389-1996 ¶19 $R_L=15K\Omega$	103 dB 76 dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max
Max Soldering Temp (p.c.)	5 Seconds	335° C Max







NOTES:

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

