



REICHENBACH ENGINEERING



Line Input Transformer

# CM-2560/PC

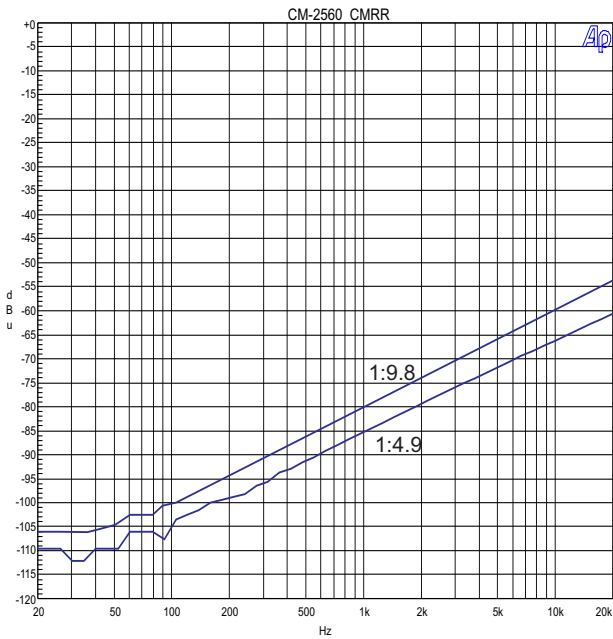
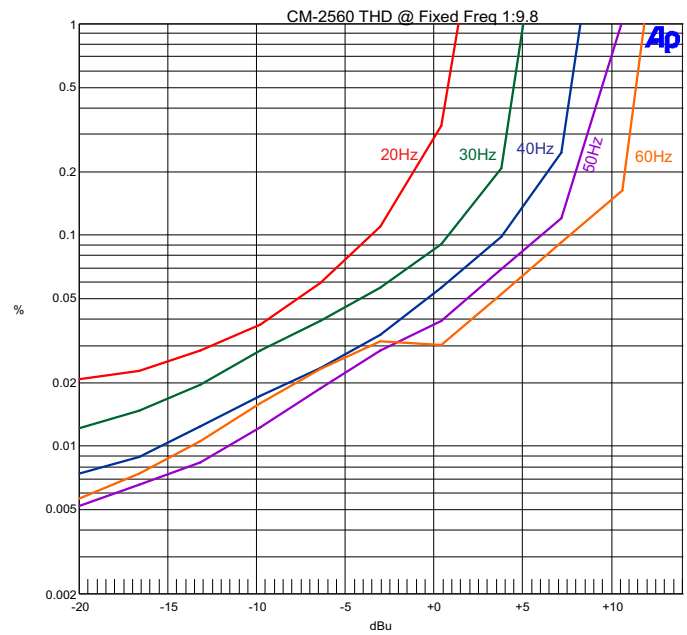
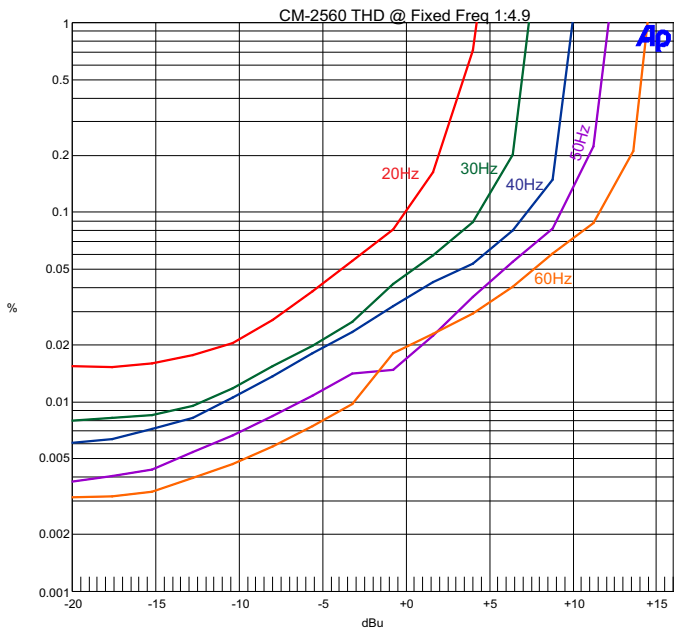
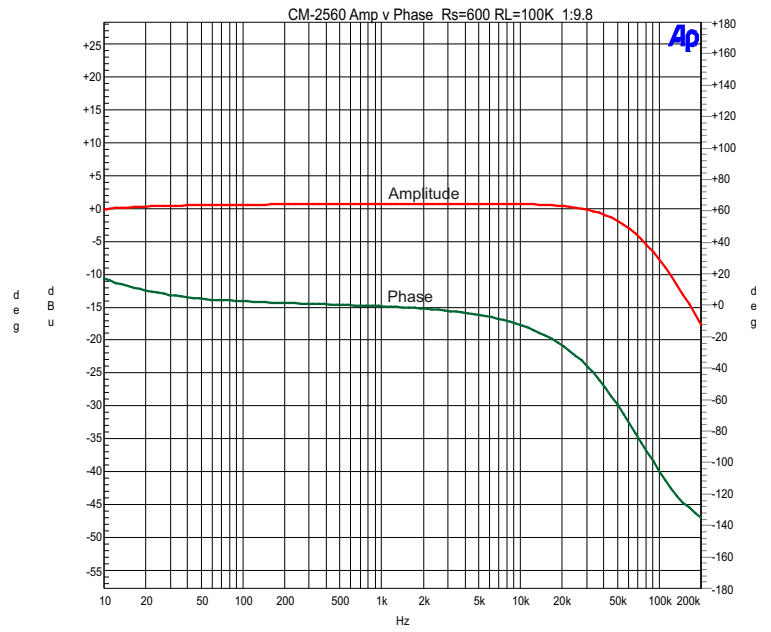
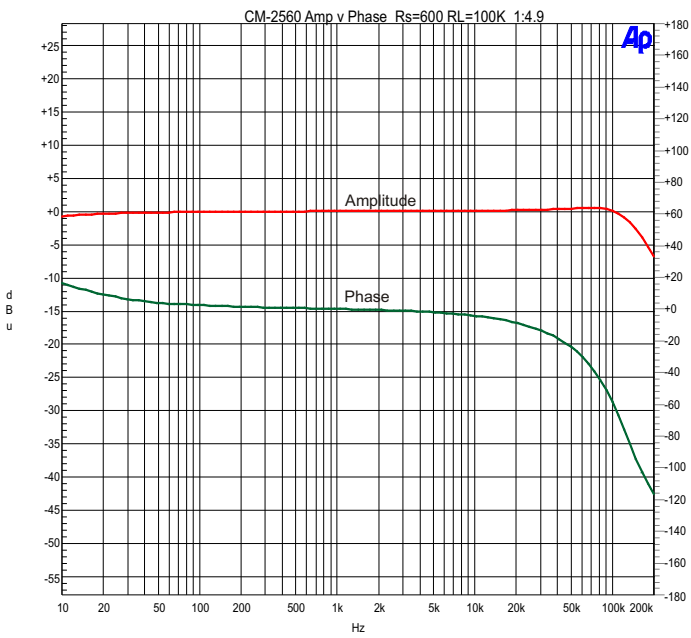
### 4.9:1CT

- Boost consumer level signal (single ended or differential) to professional equipment level
- XLR/RCA Input without switching
- Excellent bandwidth
- Excellent CMRR
- Faraday shielding between windings

The CM-2560/PC is a high input impedance level line converting input transformer, taking consumer level signals (balanced or unbalanced) and boosting them to professional equipment line level. It has excellent bandwidth, common mode rejection ratio (CMRR), and distortion characteristics. It is available either in a printed circuit pin package or with lead wires (with and without threaded bushing or threaded studs). It is encased in a  $\mu$ -metal can which provides more than 30 dB 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.

### CM-2560 CM-2560PC

Parameter	Conditions	Typ
Turns Ratio		1CT:4.9
Distortion (THD+N%) (Series primaries)	60Hz +0.0dBu      Test Circuit 1	0.02%
	20Hz +0.0dBu      Test Circuit 1	0.1%
	60Hz +0.0dBu      Test Circuit 2	0.03%
	20Hz +0.0dBu      Test Circuit 2	0.3%
Max 20 Hz input level	Full primary winding	+4dBu
	Center tap primary winding Test Circuit 1	+2dBu
Response, ref 1 kHz	10 Hz    Rs=50 RL=10K    Test Circuit 1	-0.2dBu
	Test Circuit 2	-0.2dBu
Phase Shift at 20 Hz Phase Shift at 20 kHz Phase Shift at 20 Hz Phase Shift at 20 kHz	Referenced to source generator	
	Full primary      Test Circuit 1	+5°
	Full primary      Test Circuit 1	-8°
	Center tap      Test Circuit 2	+8°
Center tap      Test Circuit 2	-20°	
CMRR	60 Hz      Test Circuit 2 per IEE Std 389 ¶19	>100dB
	1 kHz      Test Circuit 2 per IEE Std 389 ¶19	>80dB
Operating Temp Range	Operation and storage	0° C Min      70° C Max
Max Soldering Temp (printed circuit pins)	5 Seconds	270° C Max



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

