



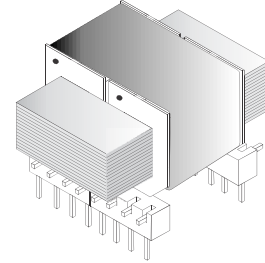
REICHENBACH ENGINEERING



# CM-17106PC

## DIRECT BOX TRANSFORMER

- Printed circuit pins only.
- Excellent bandwidth - Flat beyond 50kHz
- Excellent magnetic interference rejection without costly mu-metal can
- Excellent CMRR
- 11.5:1 Turns Ratio
- Compact Size

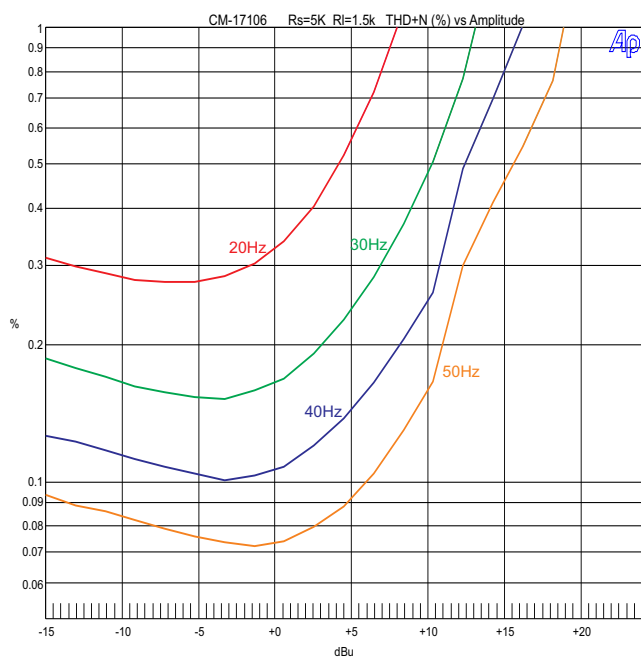
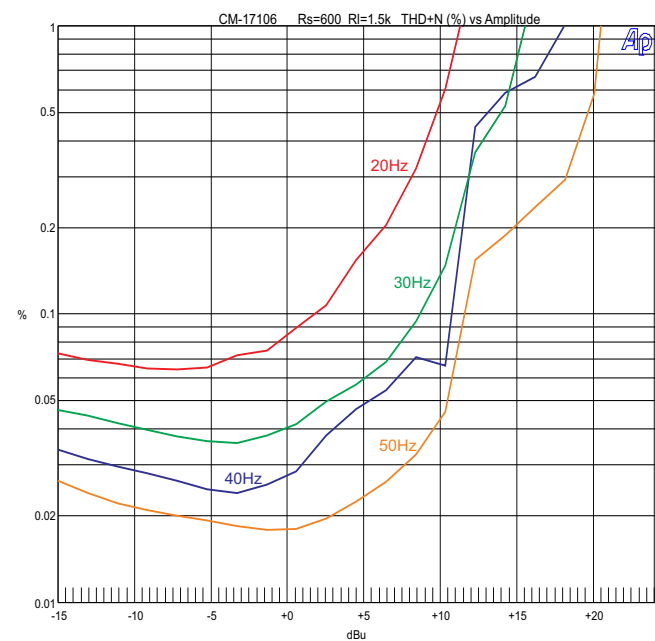
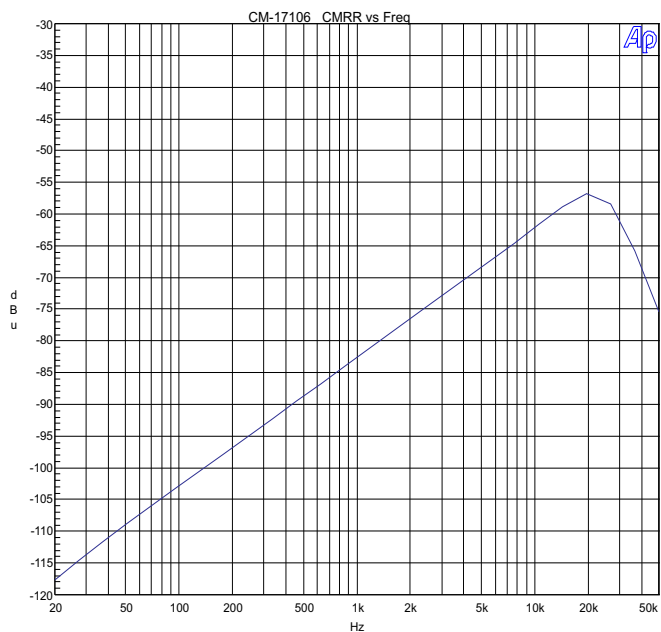
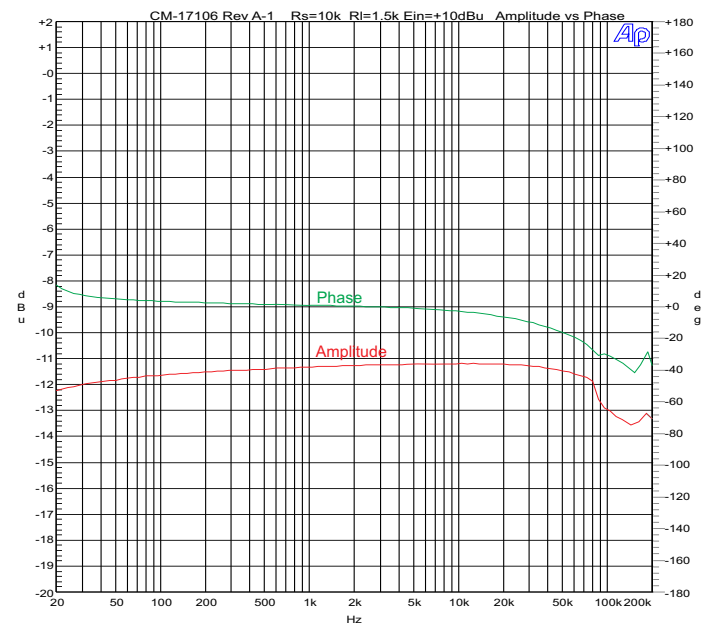
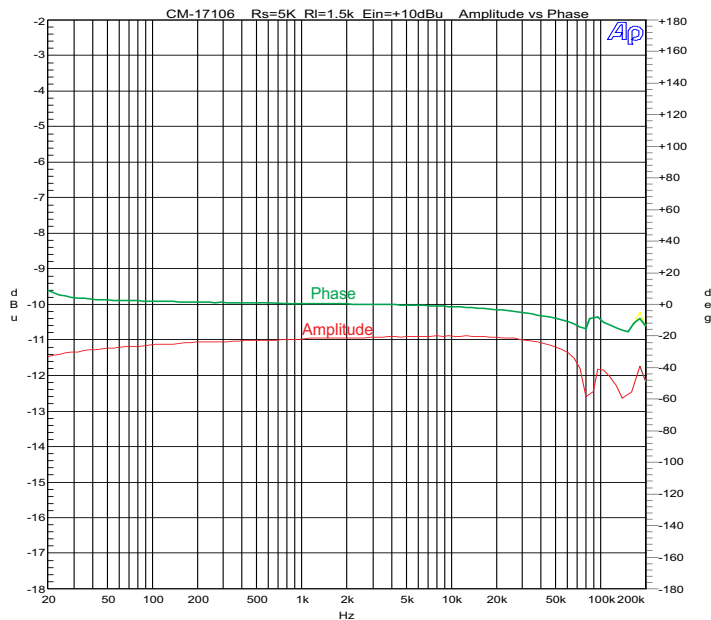
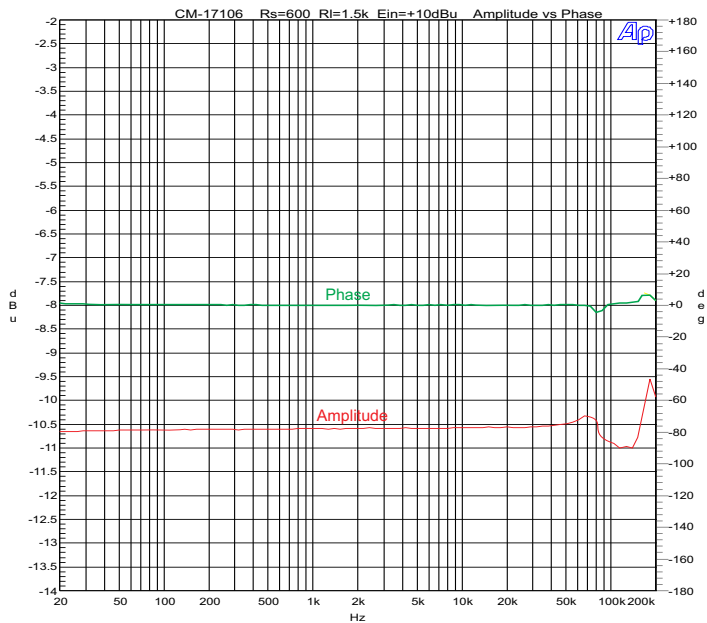


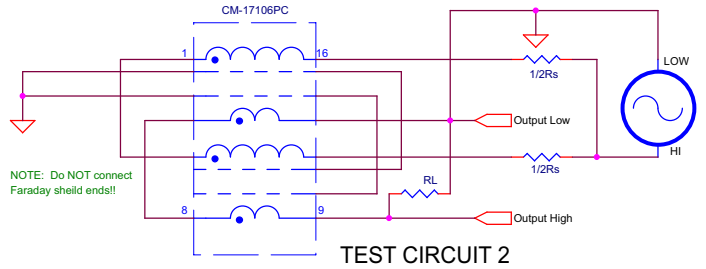
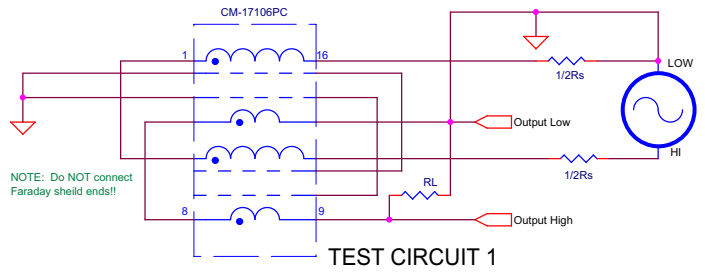
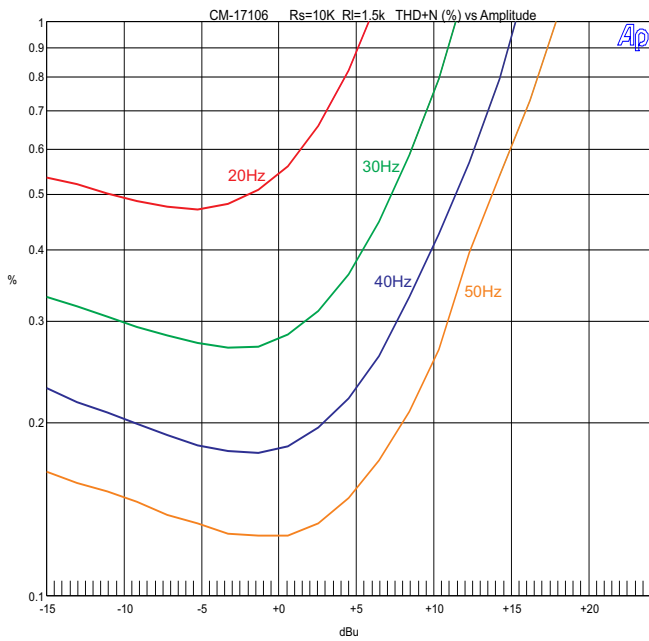
The CM-17106PC is a high performance, cost-effective, direct box transformer. Being hum-bucking and step-down, it does not require a mu-metal can. It has excellent stray magnetic field immunity. Bandwidth is extreme yielding accurate brilliance while maintaining excellent bass response.

### CM-17106PC

Parameter	Conditions	Typ
Turns Ratio		10.5 : 1.00
Voltage Gain	1 kHz, $E_{in} = -10\text{dBu}$ $R_{IN} = 5\text{K}\Omega$ $R_L = 1.5\text{K}$	-21dBu
Distortion (THD+N%)	1 kHz, +0.0 dBu 20 Hz, -20 dBu Test Circuit 1 Test Circuit 1	0.002% 0.08%
Max 20 Hz input level	1.0% THD; 5K $\Omega$ input, 1.5K secondary load impedance Test Circuit 1	+8dBu
Response, ref 1 kHz	20 Hz $R_s=5\text{K}$ $R_L=1.5\text{K}$ 20 kHz -20 dBu Test Circuit 1	-0.5dBu +0.1dBu
Phase Shift at 20 Hz Phase Shift at 20 kHz	Referenced to source generator Test Circuit 1	+2° -8°
CMRR	60 Hz 1 kHz Test Circuit 2 per IEE Std 389 ¶19	96 dB 72 dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max
Max Soldering Temp (p.c.)	5 Seconds	270° C Max

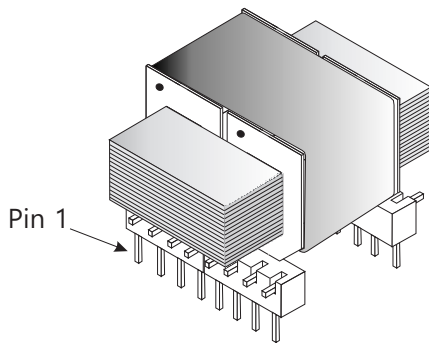
CineMag, Inc. 4487 Ish Drive, Simi Valley, CA 93063 (818) 993-4644 [www.cinemag.biz](http://www.cinemag.biz)



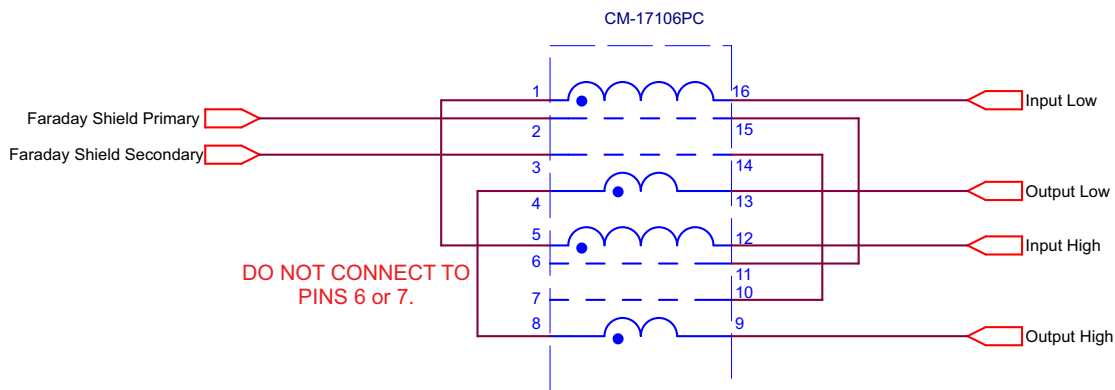
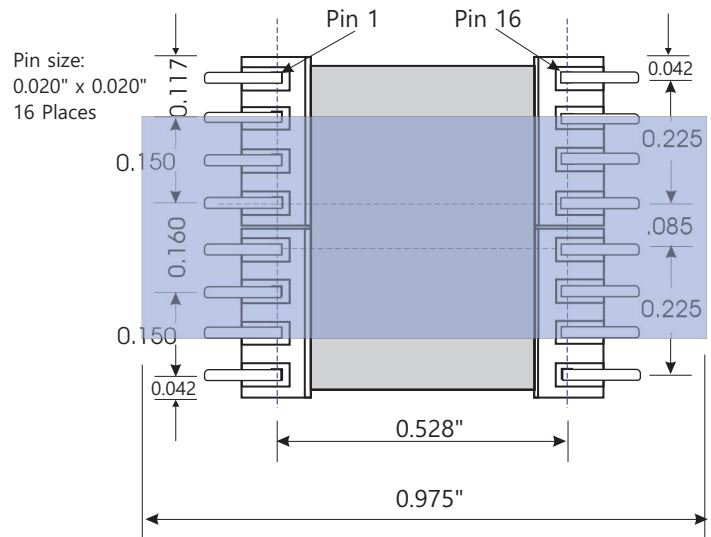


NOTES:

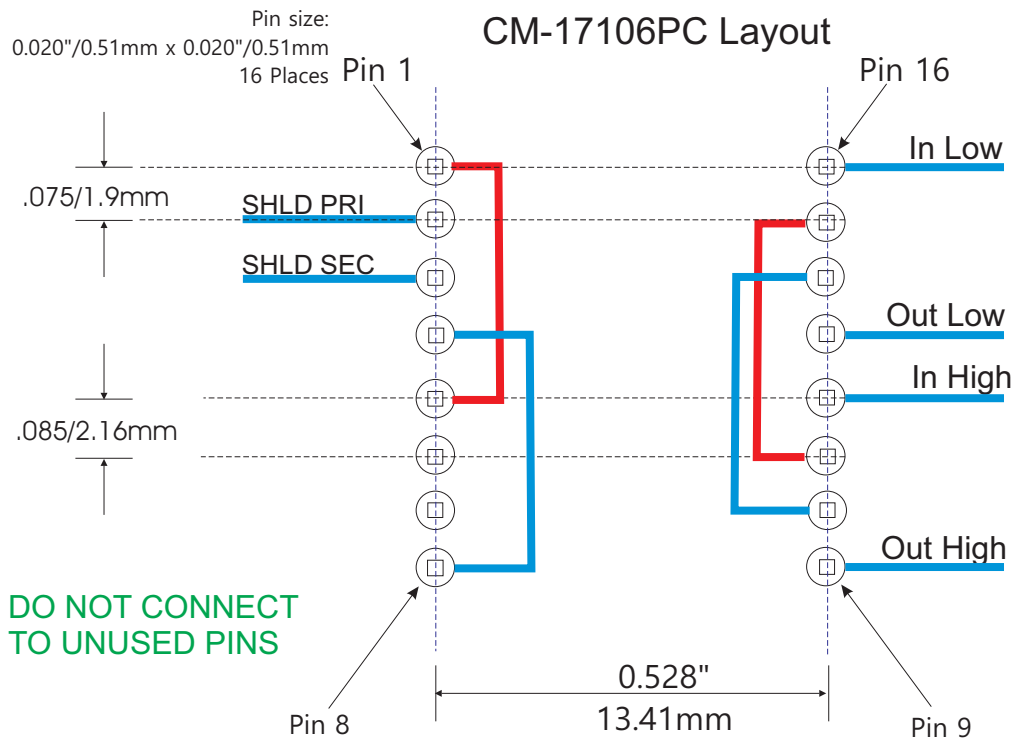
- All graphs generated from one (1) randomly chosen device. No statistical averaging or weighting. Data from one sweep.



COMPONENT Top Side View



NOTE: Each bobbin (there are 2) consists of four (4) windings, each connected as shown here.



*TOP (COMPONENT SIDE) VIEW*

