QUALITY MAGNETICS SINCE 1979

CM-9766

Microphone Output Transformer
12:1 Step-down
High-nickel core

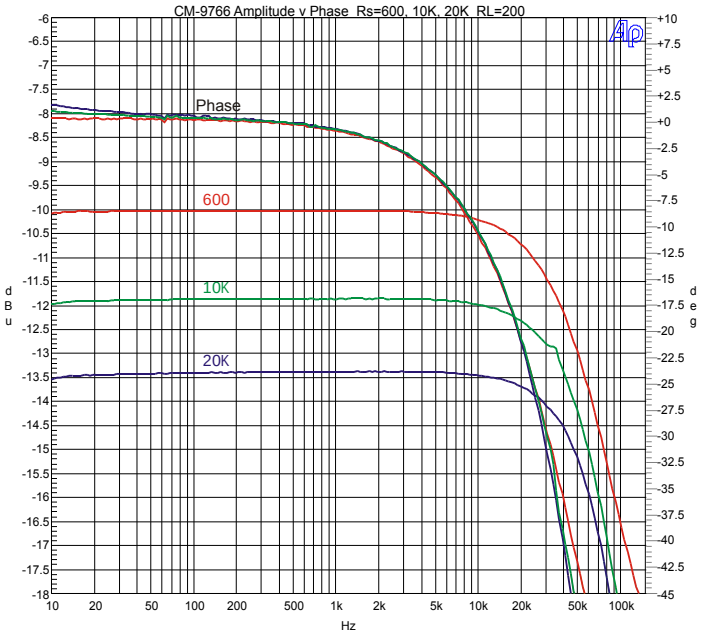
- **Excellent bandwidth**
- **Low distortion**
- **Phase shift -21° at 20kHz**
- **Hum-bucking construction**
- **Faraday shield**

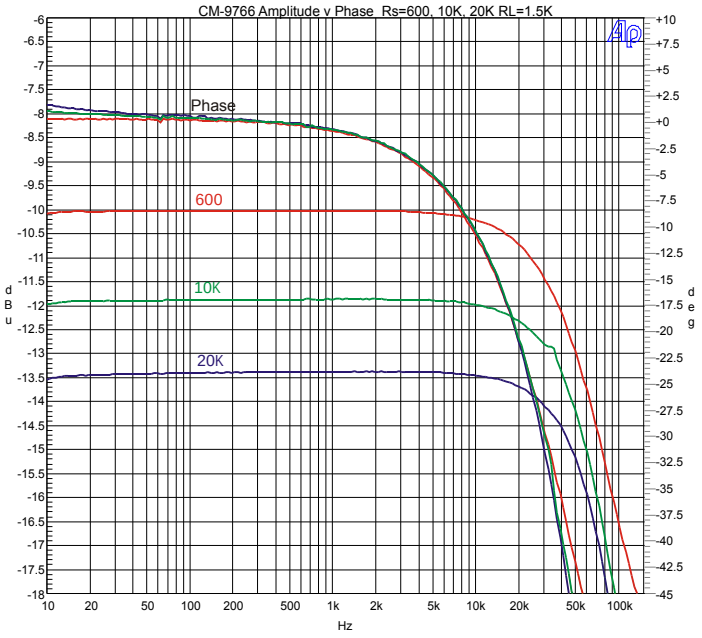
The CineMag CM-9766 tube microphone output transformer delivers excellent bandwidth with carefully engineered sound "coloration." It performs very well when driven by tubes with moderately high plate resistance. The standard lamination configuration is all high-nickel mu-metal specially annealed to CineMag's specifications. Is has a hum-bucking configuration giving it good stray magnetic field rejection. It has excellent CMRR and output CMRR. The CM-9766 has Faraday shielding to isolate the primary from the secondary windings.

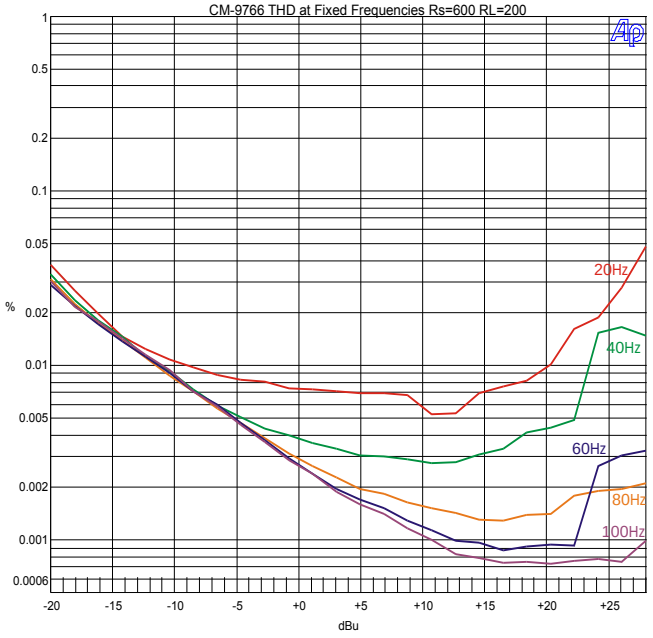
CM-9766

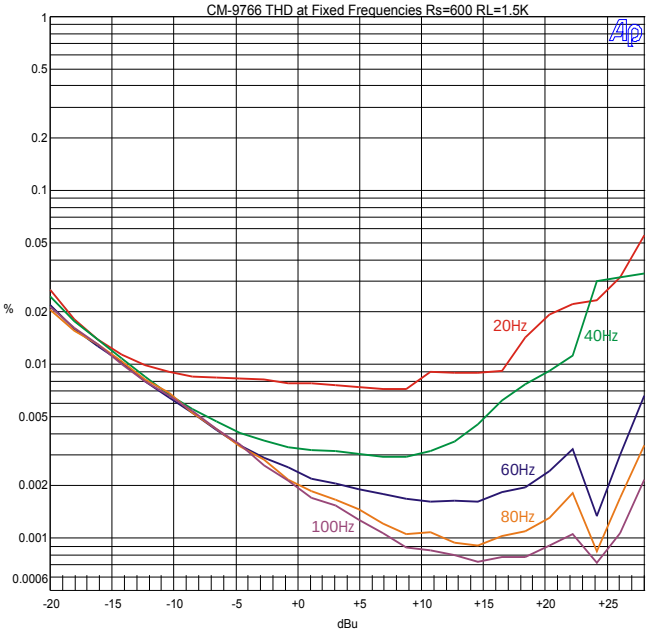
Parameter	Conditions	Typ
Turns Ratio		12 : 1.0
Voltage Gain	1 kHz Rs=600 RL=200 1kHz Rs=10K RL=200 1kHz Rs=20K RL=200 1kHz Rs=600 RL=1.5K 1kHz Rs=10K RL=1.5K 1kHz Rs=20K RL=1.5K	-25 dBu -26.8dBu -28.3dBu -22.2dBu -22.6dBu -22.9dBu
Distortion (THD+N%)	1kHz +0dBu Rs=10K RL=1.5K 1kHz +0dBu Rs=5K RL=200 Test circuit 1	0.002% 0.002%
Max 20 Hz input level	1.0% THD @20Hz Rs=5K RL=200 Test Circuit 1	>+28dBu
Response, ref 1 kHz	10Hz Rs=10K RL=1.5K 20kHz Rs=10K RL=1.5K -3 dB Rs=10K RL=1.5K Test Circuit 1	-0.1 dBu +0.5 dBu 60 kHz
Phase Shift at 20 Hz Phase Shift at 20 kHz	Referenced to source generator Test Circuit 1	+1° -22°
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 Test Circuit 3	105 dB 80 dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max

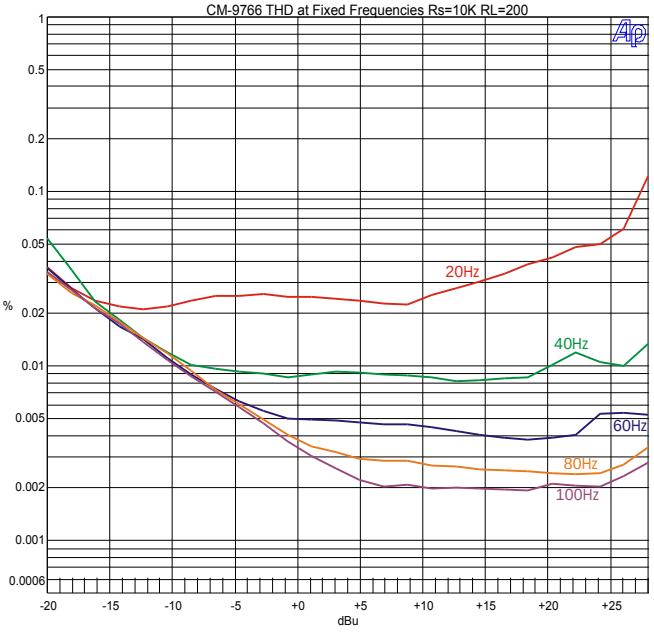
9050 Independence Ave. Canoga Park, California 91304 ☎(818) 993-4644 ✉ (818) 993-4604 http://www.cinemag.biz

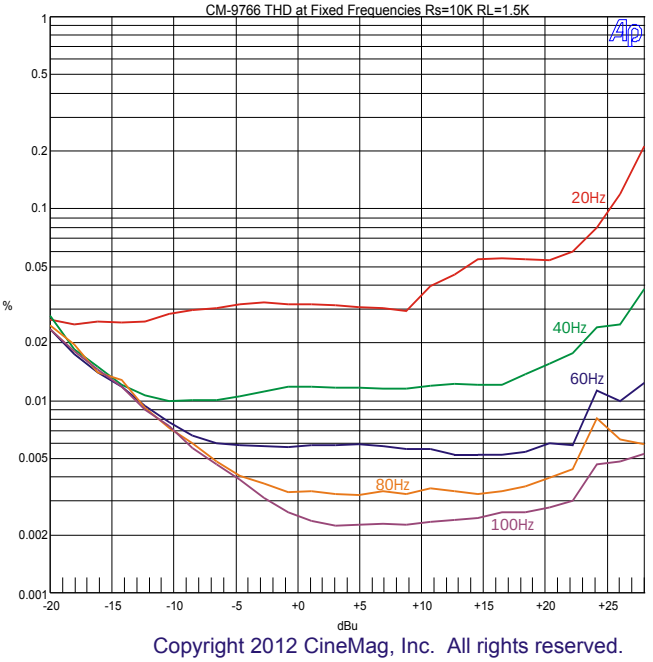


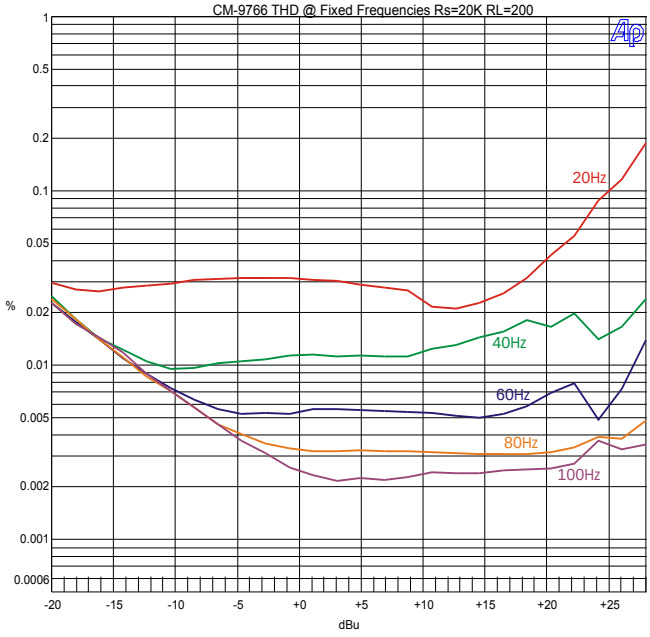


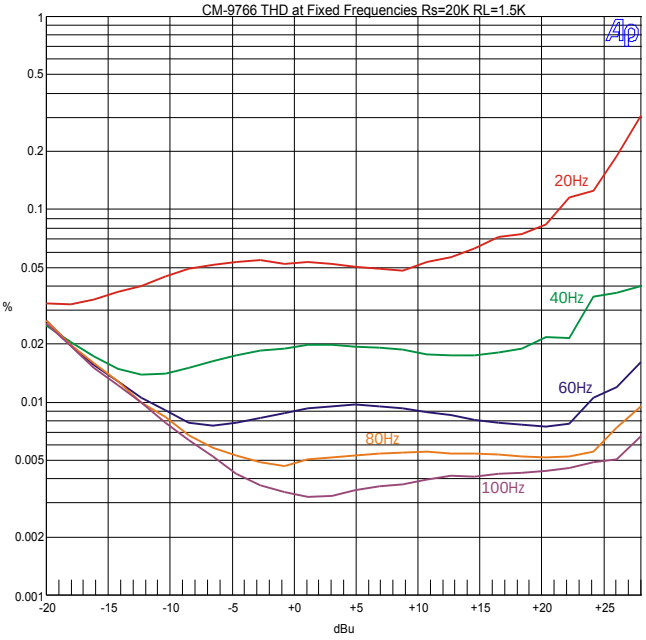


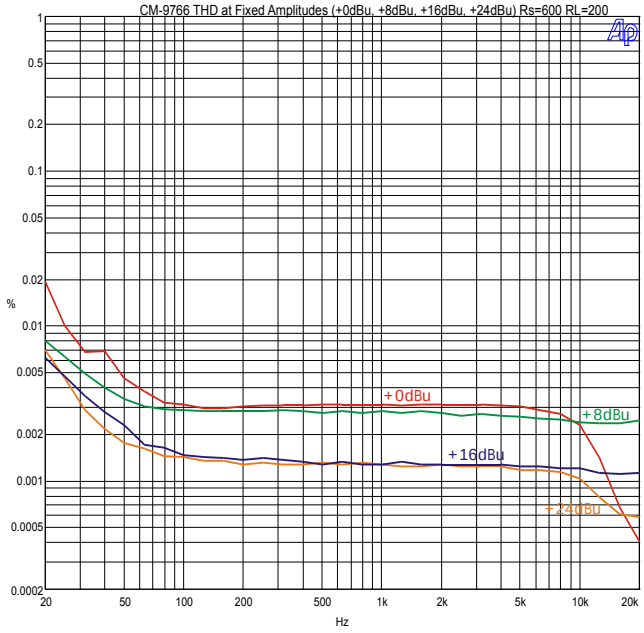


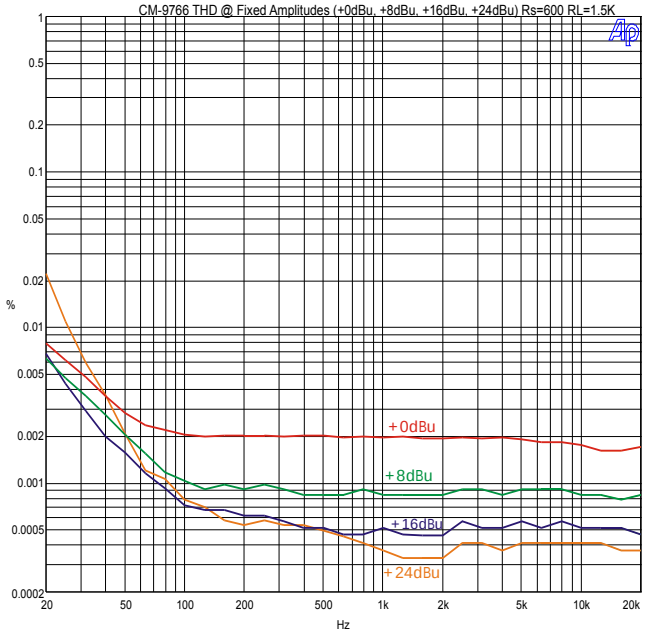


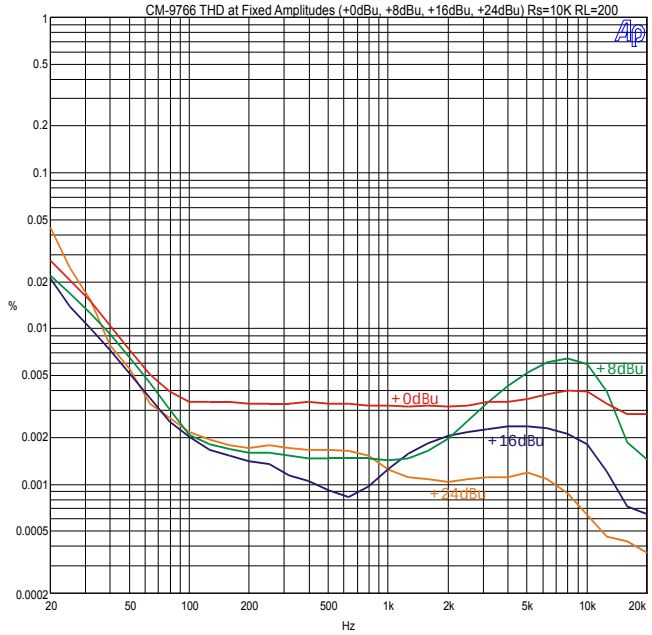


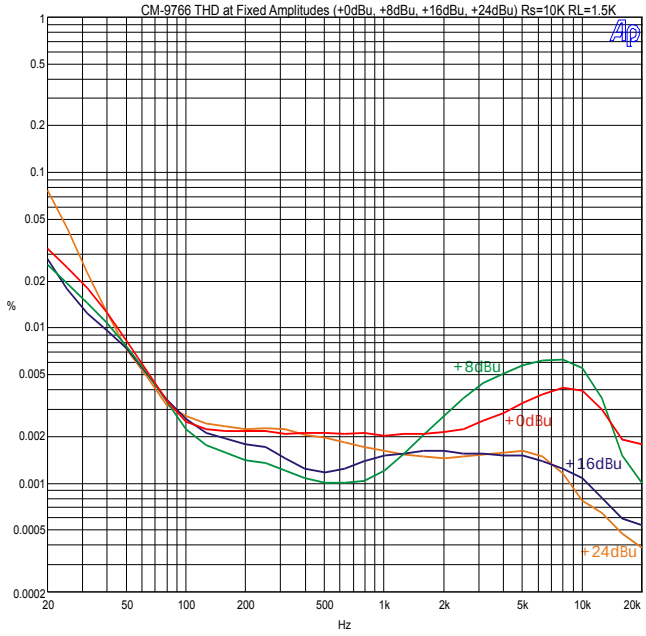


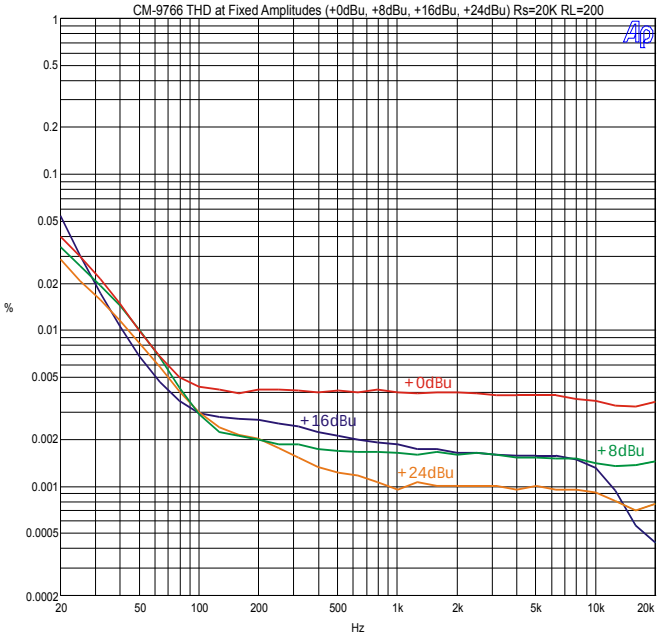


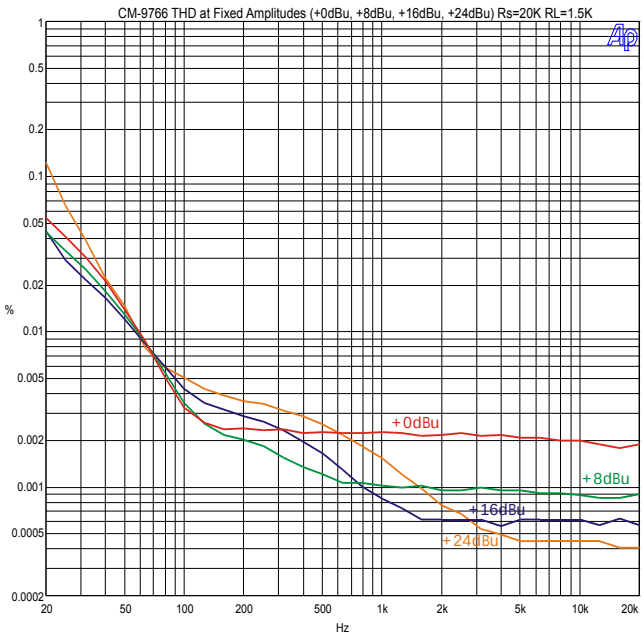


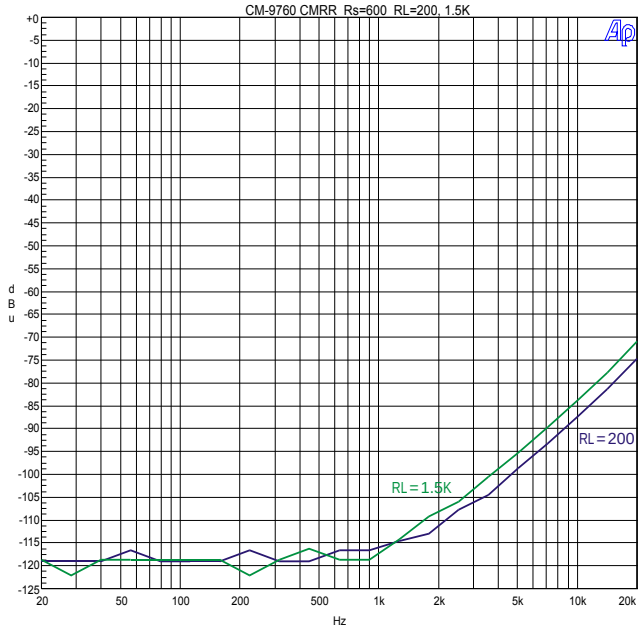


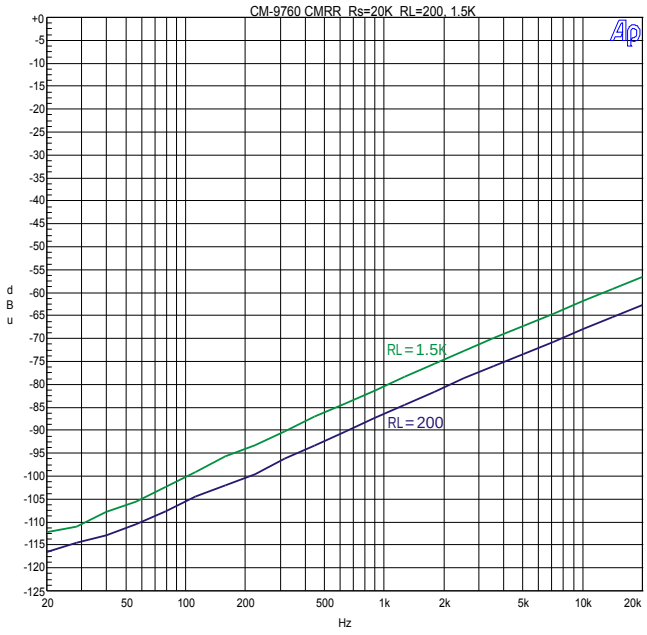


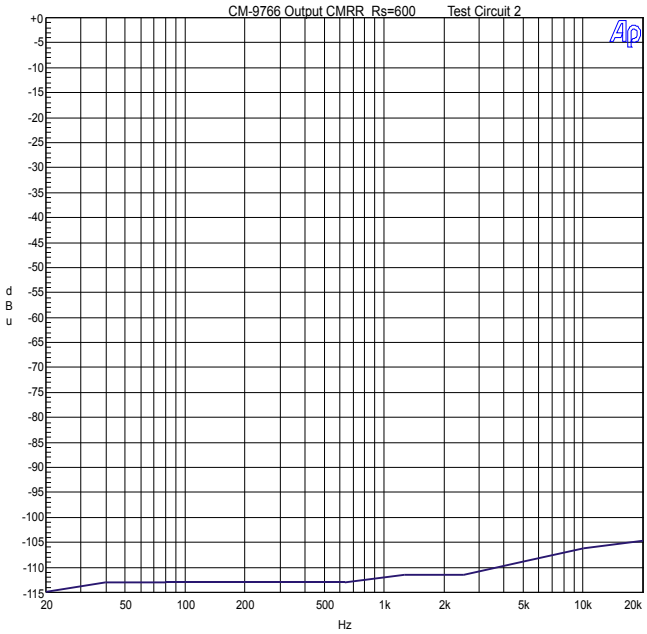


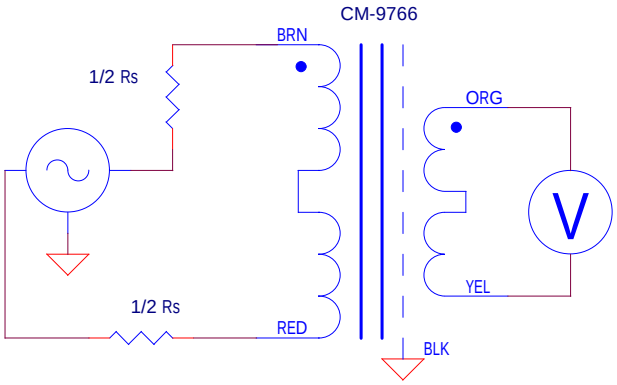




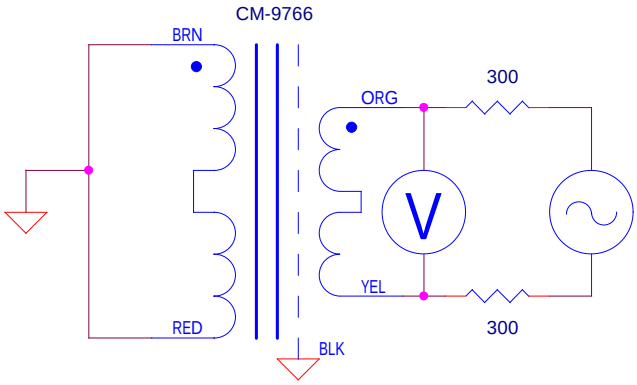




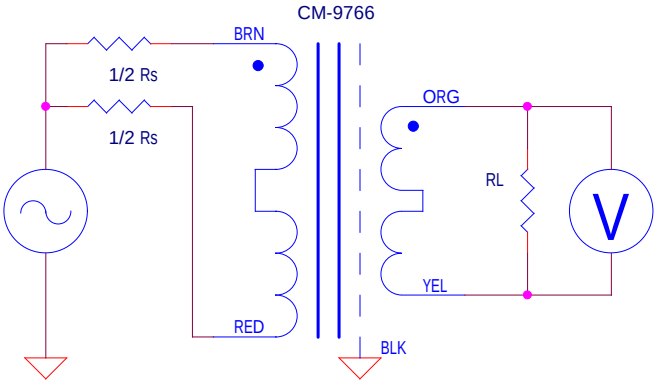




TEST CIRCUIT 1



TEST CIRCUIT 2



TEST CIRCUIT 3