



Superior Magnetics Since 1979



# CM-2480

**MICROPHONE OUTPUT TRANSFORMER**  
**10.5 : 1 Turns Ratio**  
**High Nickel Core**

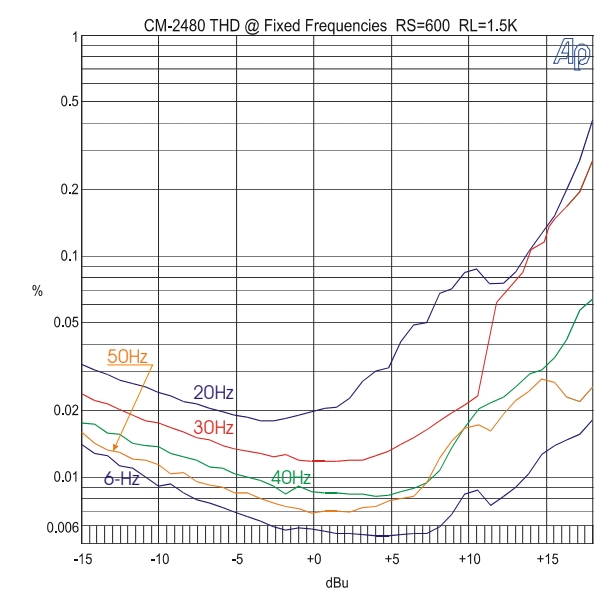
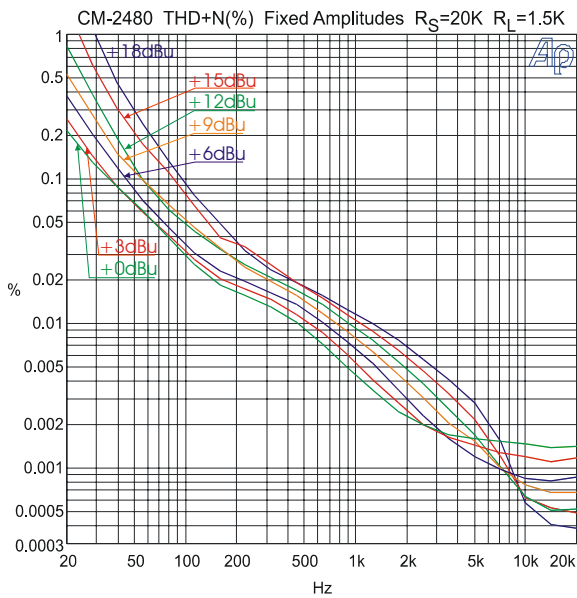
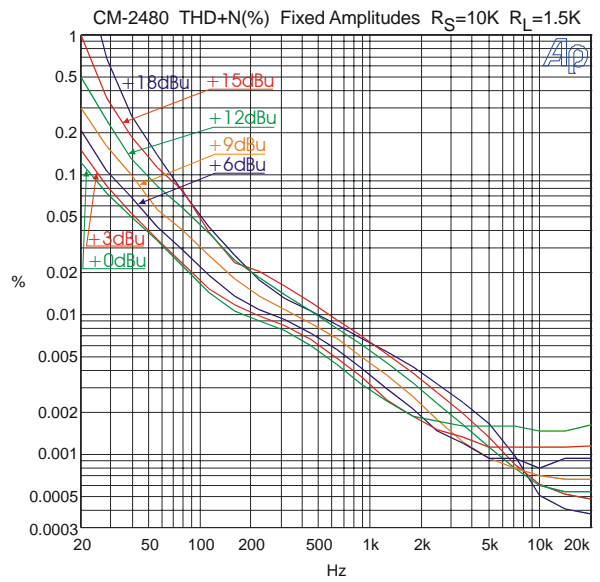
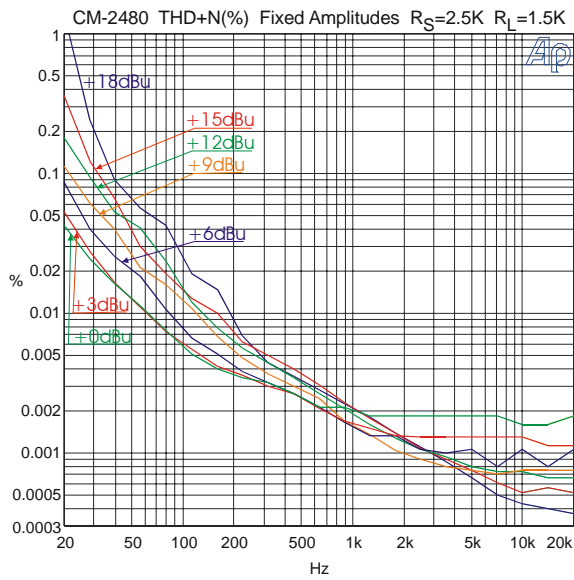
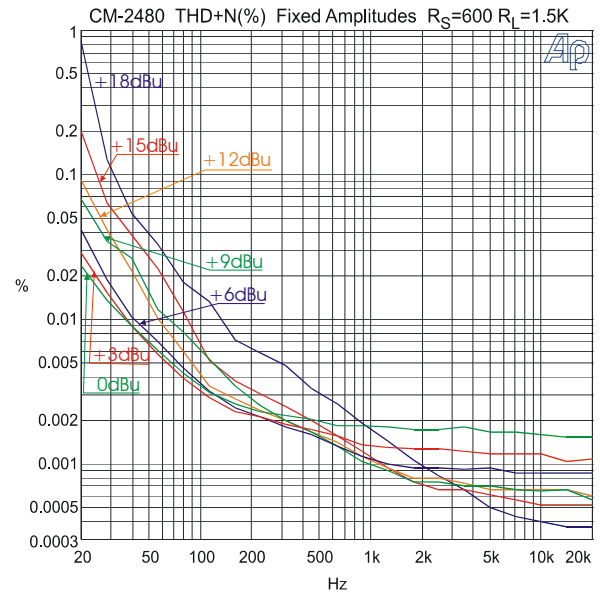
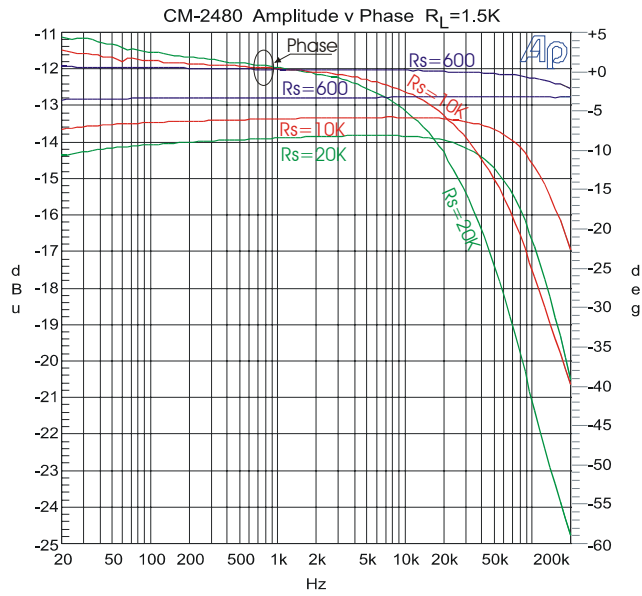
- **Superb Bandwidth**
- **Low distortion**
- **Phase Shift -6° at 20 kHz with Source Impedance of 10K**

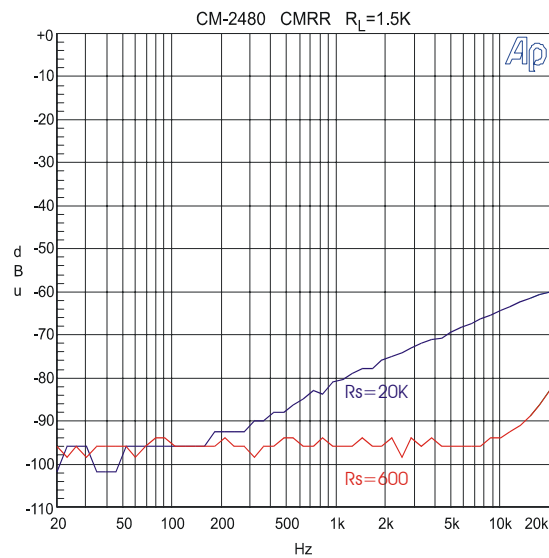
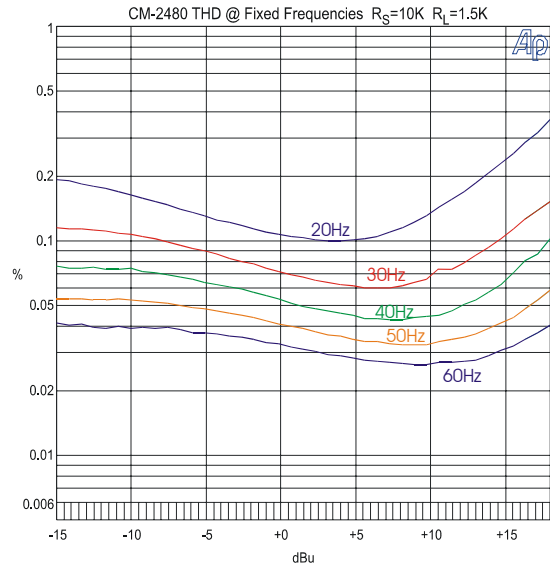
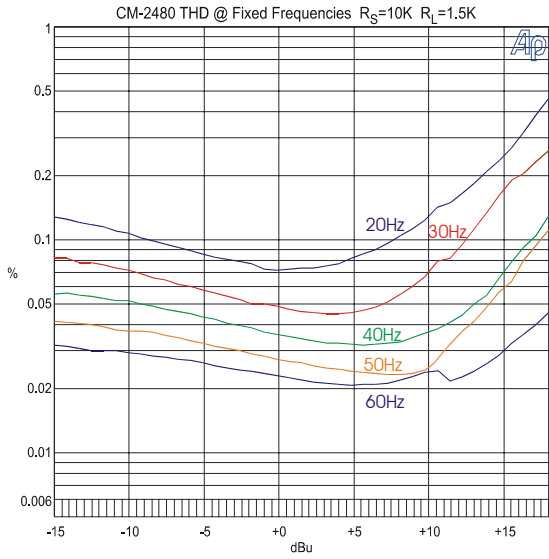
The CineMag CM-2480 microphone output transformer is intended to provide superb bandwidth and very good distortion characteristics in a very small package. It works very well with high impedance tube circuits including triode output stages. It uses a hum-bucking design giving it very good rejection of stray magnetic interference. Because of this, it also has excellent CMRR. It is optionally available in a mu-metal can.

### CM-2480

Parameter	Conditions	Typ
Turns Ratio		10.5 : 1
Voltage Gain	1kHz Rs=600 RL=150	-13.1 dBu
	1kHz Rs=600 RL=1.5K	-20.8 dBu
	1kHz Rs=2.5K RL=150	-24.0 dBu
	1kHz Rs=2.5K RL=1.5K	-20.9 dBu
	1kHz Rs=5K RL=150	-24.8 dBu
	1kHz Rs=5K RL=1.5K	-21.1 dBu
	1kHz Rs=10K RL=150	-26.4 dBu
	1kHz Rs=10K RL=1.5K	-21.3 dBu
	1kHz Rs=20K RL=150	-28.7 dBu
1kHz Rs=20K RL=1.5K	-21.0 dBu	
Distortion (THD+N%)	1 kHz, +18 dBu, Rs=10K RL=1.5K Test Circuit 1	0.007%
Max 20 Hz input level	1% THD+N% Rs=10K RL=1.5K Test Circuit 1	>+18 dBu
Response, ref 1 kHz	20 Hz Rs=10K RL=1.5K Test Circuit 1	-0.2 dB
	20 kHz -2 dB	-0.1 dB 120 kHz
Phase Shift at 20Hz Phase Shift at 20 kHz	Referenced to source generator Rs=10K RL=1.5K Test Circuit 1	+7°
		-3°
CMRR	60 Hz Test Circuit 2 per IEE Std 389-1996 ¶19	95 dB
	1 kHz Rs=600 RL=1.5K	95 dB
	20 kHz	82 dB
Operating Temp Range		0° C Min 70° C Max

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

