



Superior Magnetics Since 1979



CM-24110

MICROPHONE OUTPUT TRANSFORMER
4 : 1 Turns Ratio
Center Tap for Phantom Power
High Nickel Core

- **Superb Bandwidth**
- **Low distortion**
- **Phase Shift -5° at 20 kHz**
- **Twin Bobbin construction for excellent CMRR and stray magnetic field rejection**

The CineMag CM-24110 microphone output transformer is intended to provide excellent bandwidth and distortion in a very small package. It works very well with high output impedance tube circuits. This enables it to work quite well even with 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.

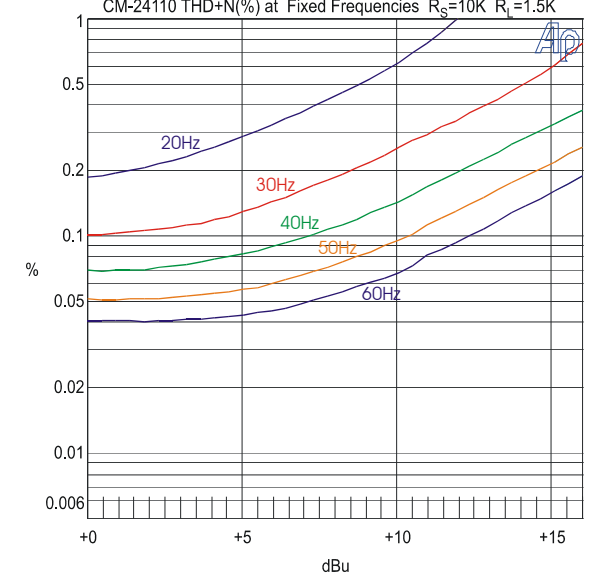
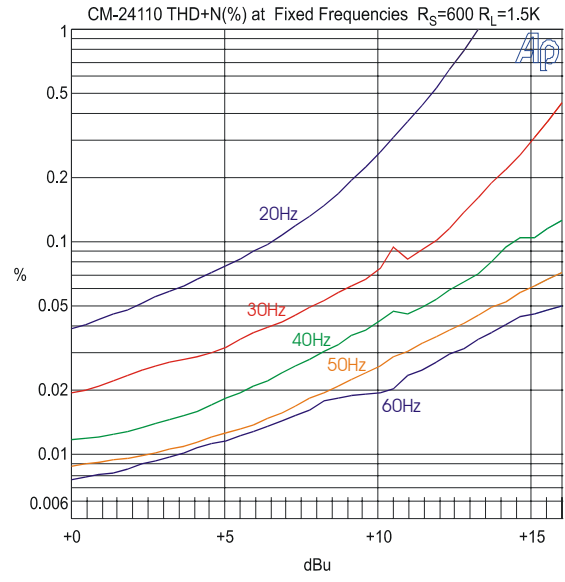
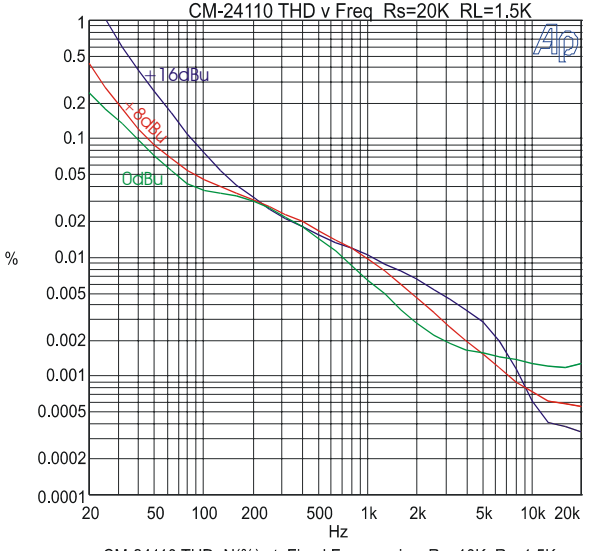
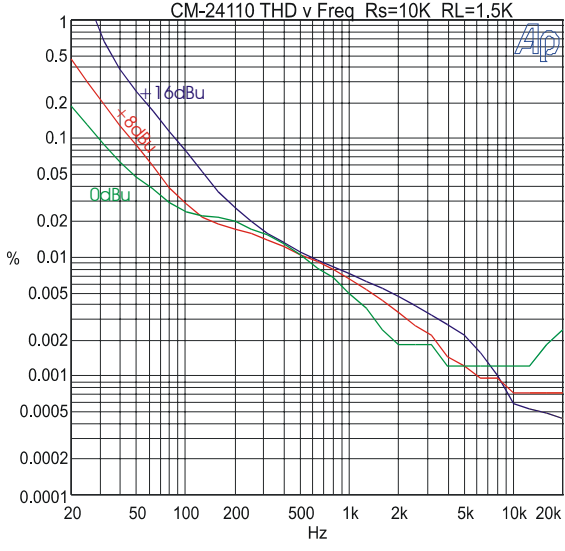
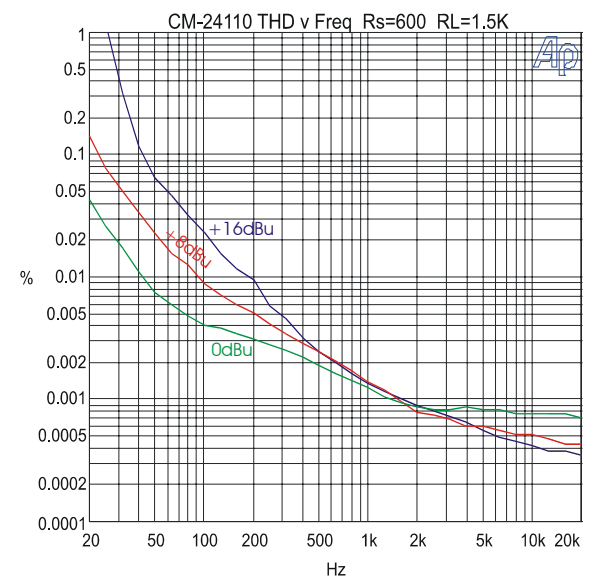
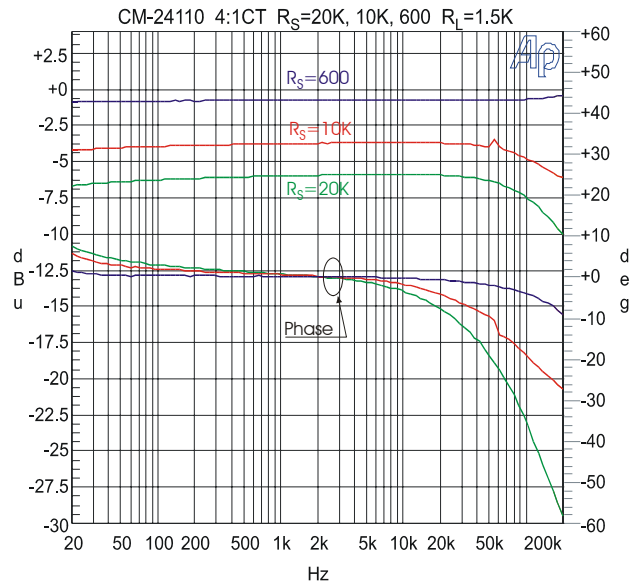
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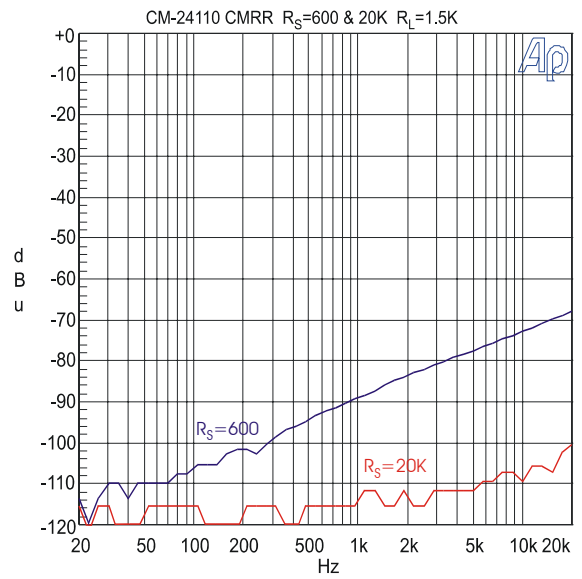
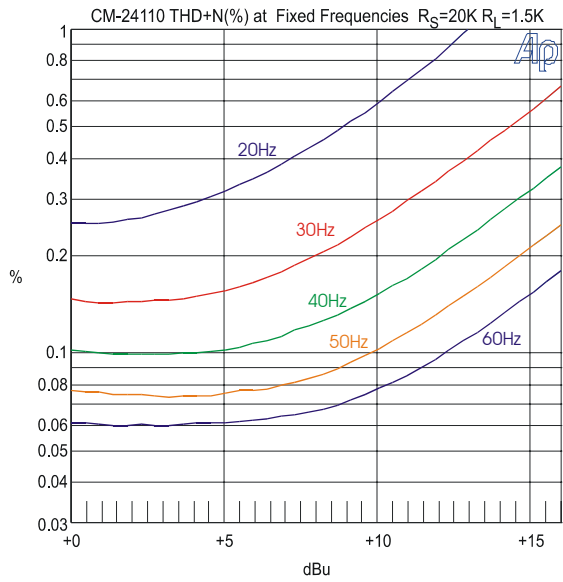
Parameter	Conditions	Typ
Turns Ratio		4 : 1
Voltage Gain	1kHz Rs=600 RL=150	-17.3 dBu
	1kHz Rs=600 RL=1.5K	-12.8 dBu
	1kHz Rs=2.5K RL=150	-20.4 dBu
	1kHz Rs=2.5K RL=1.5K	-13.4 dBu
	1kHz Rs=5K RL=150	-23.3 dBu
	1kHz Rs=5K RL=1.5K	-14.3 dBu
	1kHz Rs=10K RL=150	-27.3 dBu
	1kHz Rs=10K RL=1.5K	-15.7 dBu
	1kHz Rs=20K RL=150	-32.0 dBu
	1kHz Rs=20K RL=1.5K	-17.9 dBu
Distortion (THD+N%)	1 kHz, +16 dBu, Rs=10K RL=1.5K Test Circuit 1	0.01%
Max 20 Hz input level	1% THD+N% Rs=10K RL=1.5K Test Circuit 1	+12 dBu
Response, ref 1 kHz	20 Hz Rs10K RL=1.5K Test Circuit 1	-0.25 dB
	20 kHz	-0.1 dB
	-2 dB	>200 kHz
Phase Shift at 20Hz Phase Shift at 20 kHz	Referenced to source generator Rs=10K RL=1.5K Test Circuit 1	+4°
		-5°
CMRR	60 Hz Test Circuit 2 per IEE Std 389-1996 ¶19	115 dB
	1 kHz Rs=600 RL=1.5K	112 dB
	20 kHz	100 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

