



QUALITY MAGNETICS SINCE 1979

CM-2510

Microphone Output Transformer 8 : 1 Step-down

- High-nickel core
- Very wide bandwidth & low phase shift
- Low profile package

The CM-2510 microphone output transformer delivers excellent bandwidth along with very good distortion characteristics. It works very well with high-impedance vacuum circuits including triode output stages. Its hum-bucking construction gives it very good immunity from stray magnetic interference and contributes to its excellent CMRR. While not needed in almost all applications, it can be provided encased in a mu-metal can.

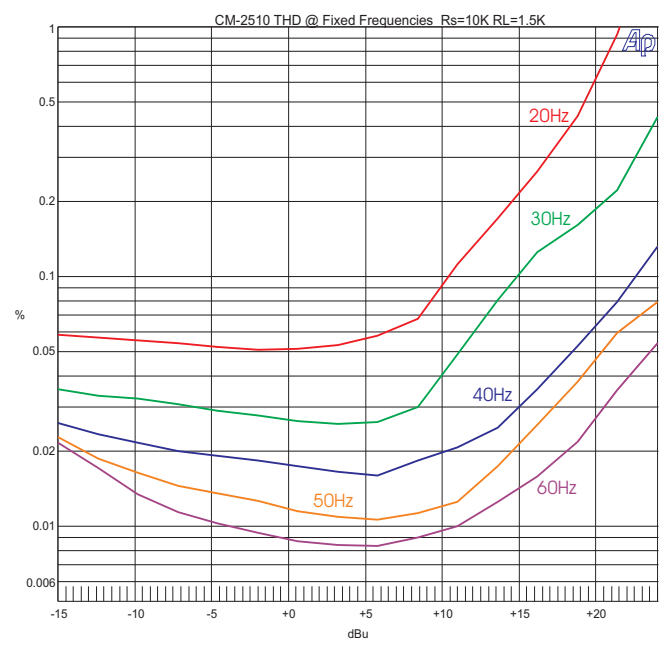
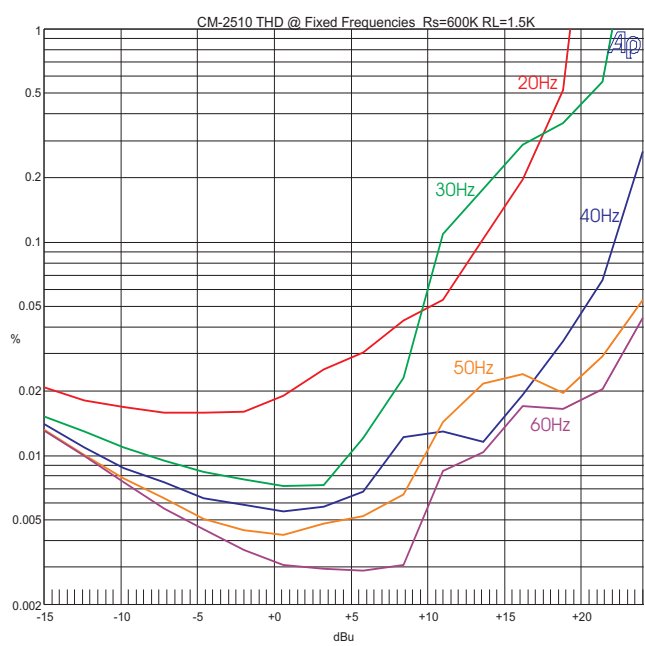
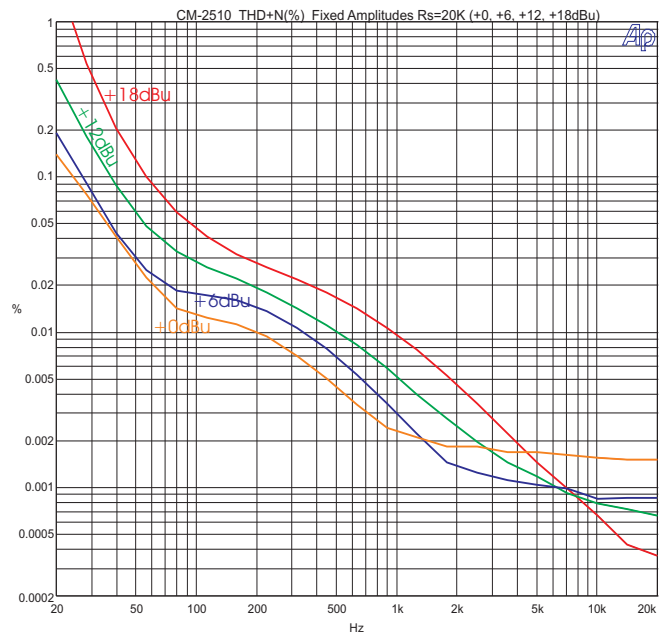
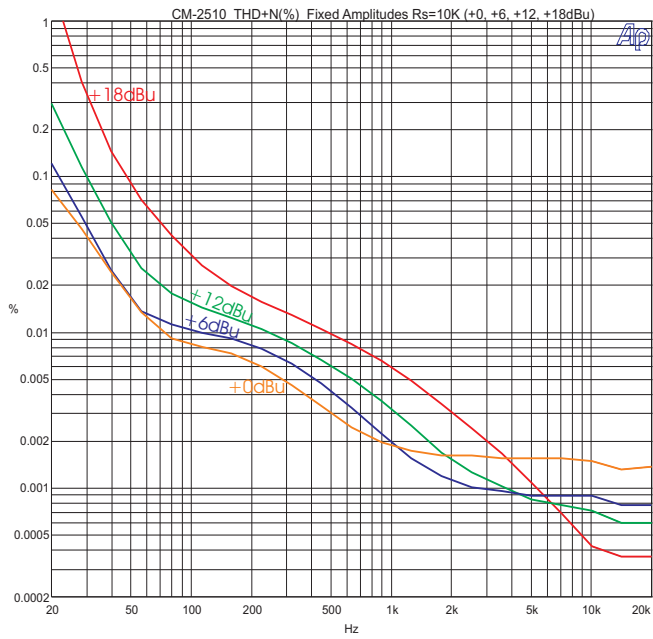
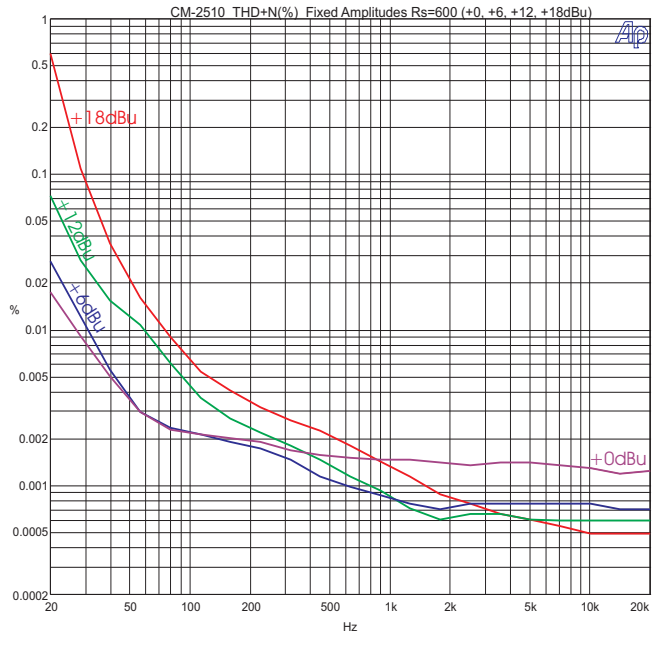
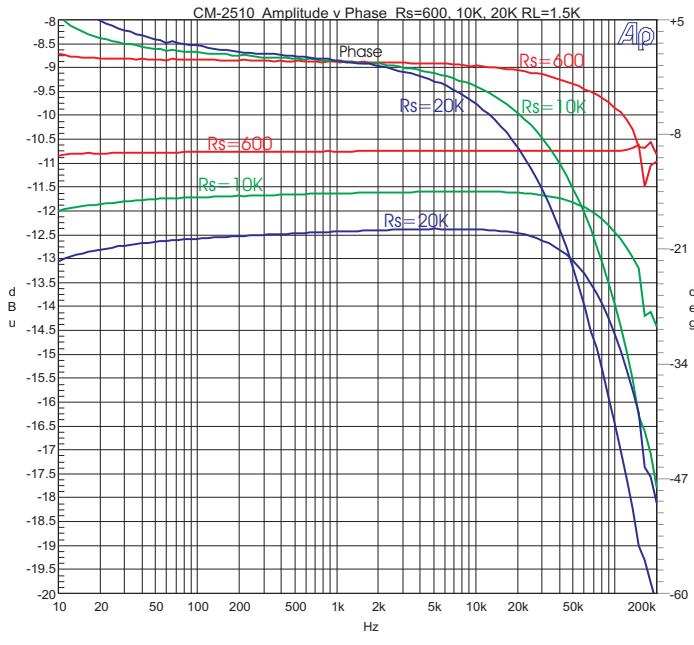
CM-2510

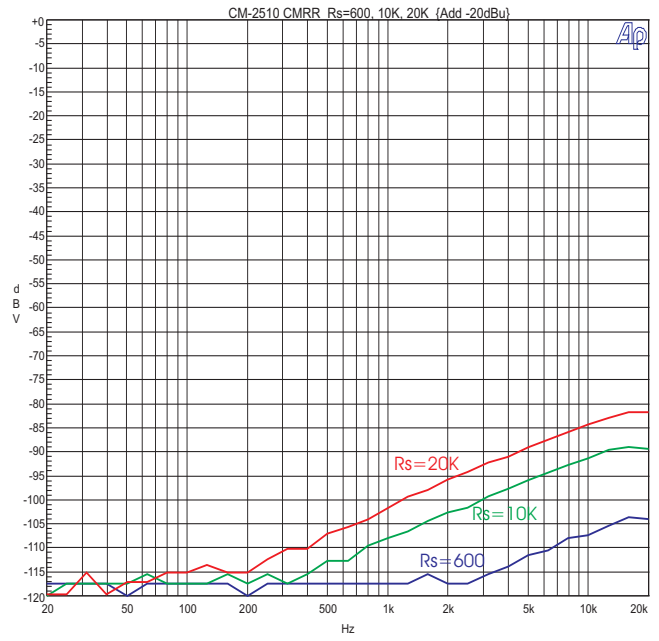
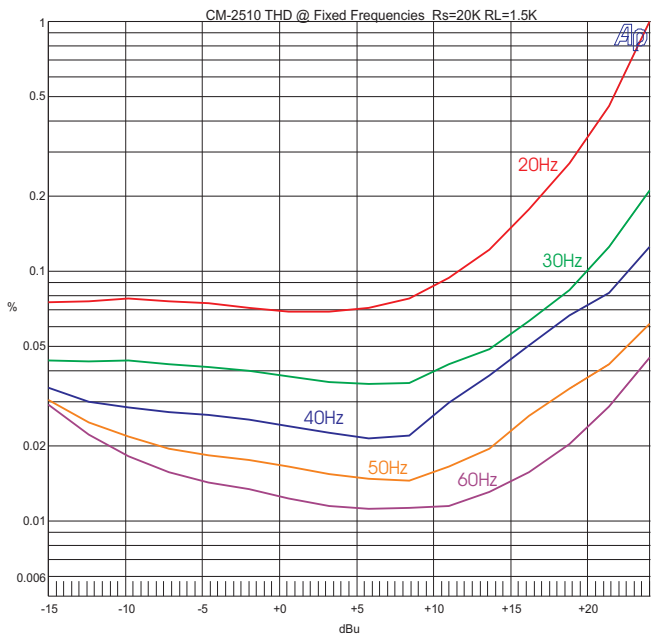
Parameter	Conditions	Typ
Turns Ratio		8 : 1.00
Voltage Gain	1 kHz Rs=600 RL=1.5K	-18.7dBu
	1kHz Rs=600 RL=150	-22.9dBu
	1kHz Rs=10K RL=1.5K	-19.6dBu
	1kHz Rs=10K RL=150	-27.0dBu
Distortion (THD+N%)	1 kHz, +0.0 dBu Test Circuit 1	0.0006%
	20 Hz, -20 dBu Test Circuit 1	0.025%
Max 20 Hz input level	1.0% THD+N% Rs=10K RL=1.5K Test Circuit 1	+21 dBu
Response, ref 1 kHz Rs=10K RL=1.5K	20 Hz -20 dBu Test Circuit 1	-0.3 dB
	20 kHz -20 dBu Test Circuit 1	+0.05 dB
	-3 dB	>200 kHz
Phase Shift at 20 Hz	Referenced to source generator	+2°
Phase Shift at 20 kHz	Rs=10K RL=1.5K Test Circuit 1	-6°
CMRR	60 Hz Test Circuit 2 per IEE Std 389-1996 ¶19	96 dB
	1 kHz Test Circuit 2 per IEE Std 389-1996 ¶19	>115 dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max

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NOTE: All graphs generated from one randomly selected device.
No statistical averaging or weighting.

