



QUALITY MAGNETICS SINCE 1979

CM-5701/CM-5701A

Microphone Output Transformer - BV12 style 11.25K:200+21

- **BV12 microphone output transformer replacement**
- **Performance based on BV12**
- **Hum-bucking configuration**
- **Excellent CMRR**

The CM-5701 was designed as an output transformer for vacuum tube microphones designed to use the BV12 transformer. The CM-5701A closely follows the frequency response of the BV12, while the CM-5701 corrects the high frequency response and phase shift issues. Both exhibit excellent bandwidth, common mode rejection ratio (CMRR), and distortion characteristics. Being hum-bucking, they are very resistant to interference from stray magnetic fields.

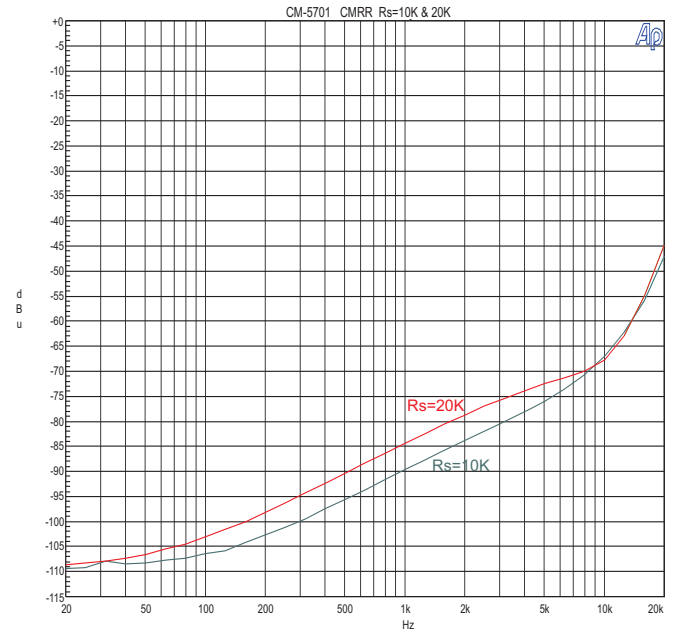
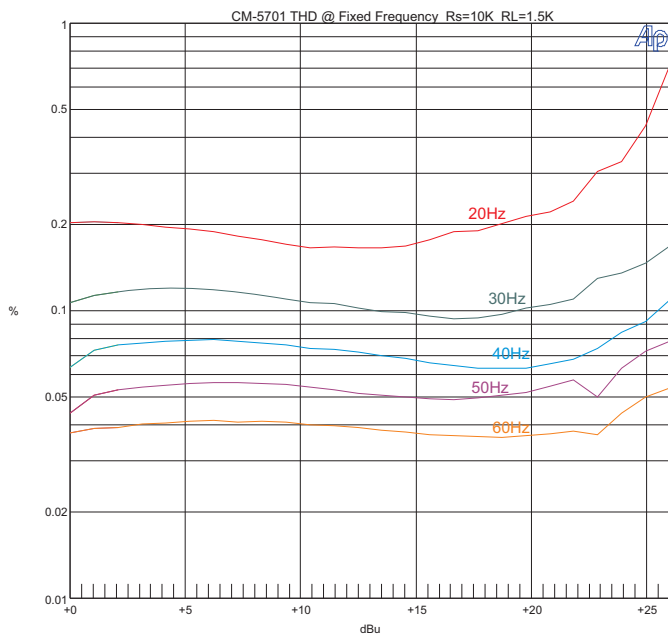
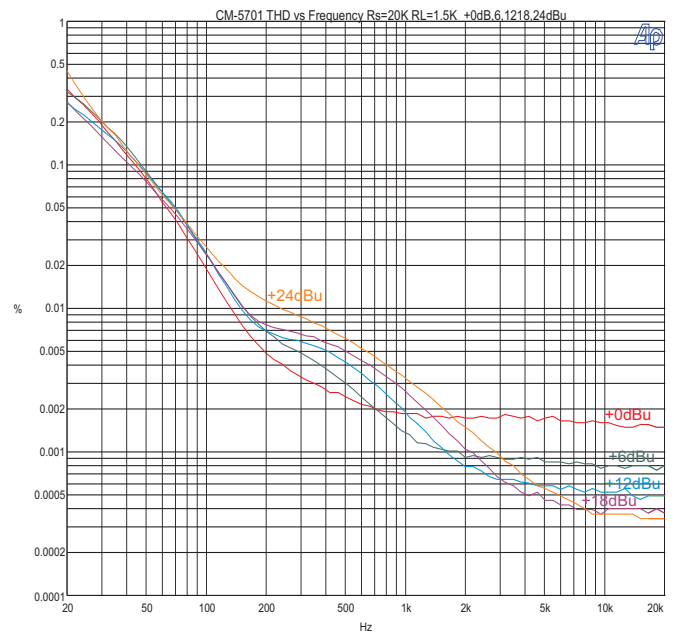
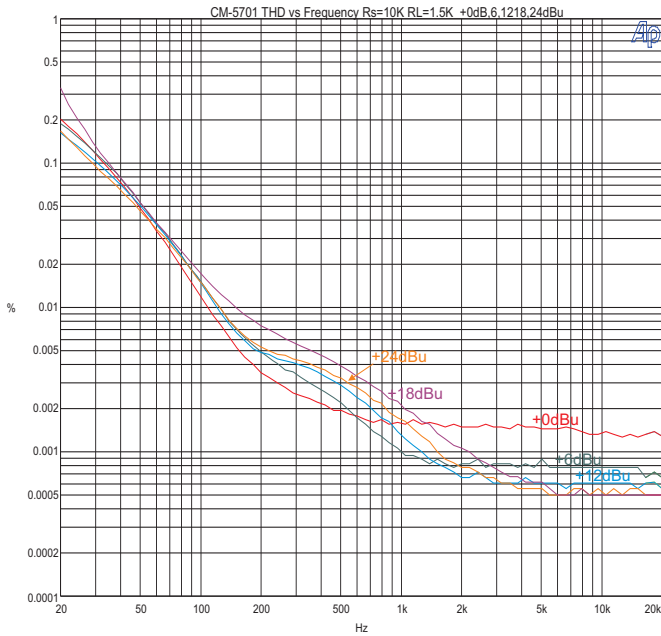
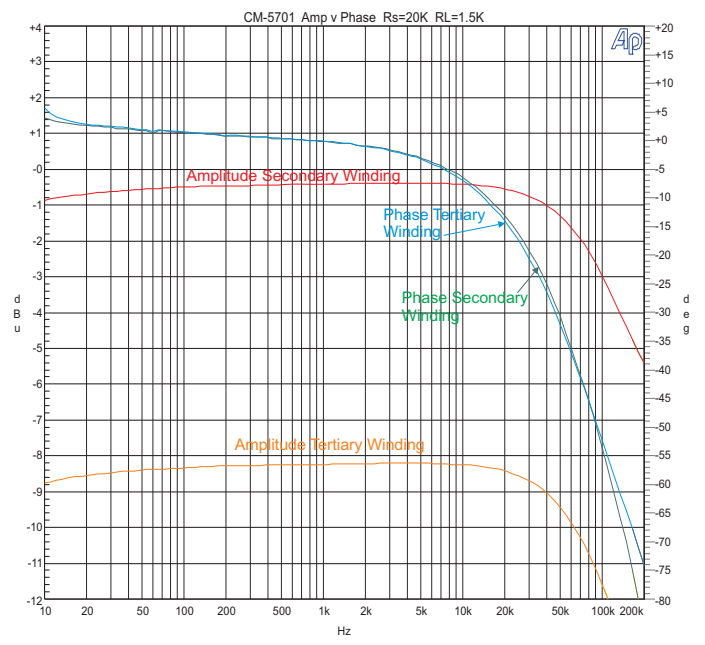
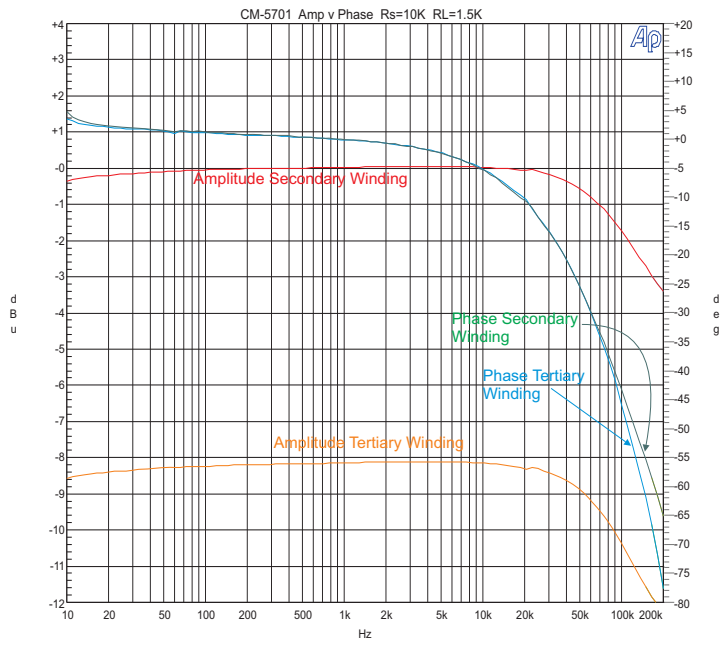
CM-5701/CM-5701A

Parameter	Conditions	Typ
Turns Ratio		23: 7.5 + 1
Distortion (THD+N%)	1 kHz, -10.0 dBu Test Circuit 1 20 Hz, -20 dBu Test Circuit	0.08% 0.065%
Max 20 Hz input level	1.0% THD; 10K Ω source to primary, 1.5K load impedance on both the secondary and tertiary windings	+28 dBu
Response, ref 1 kHz (No feedback from tertiary to drive amplifier)	20 Hz Test Circuit 1 20 kHz -20 dBu 200kHz	-0.2 dB -0.1 dB -3.2 dB
Phase Shift at 20 Hz Phase Shift at 20 kHz	Referenced to source generator Test Circuit 1	+2° -10°
CMRR	60 Hz Test Circuit 2 per IEE Std 389-1996 ¶19 1 kHz Test Circuit 2 per IEE Std 389-1996 ¶19	105 dB 90 dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max

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NOTE:
The CM-5701A corresponds
in frequency response
to the BV12.

