



REICHENBACH ENGINEERING

QUALITY MAGNETICS SINCE 1979



# CM-27101

## Vacuum tube line level output transformer 7:1 turns ratio 29.4K:600

- Vacuum tube line amplifier output
- Economical design for OEM applications
- Faraday shield
- 50% high-nickel + 50% steel core for warm sonic characteristics
- Very good bandwidth (- 0.3 dB @ 20 kHz Rs=600Ω, -0.5dB @20kHz Rs=20K)
- Good CMRR: 115 dB at 60 Hz
- 0.05% THD at +10dB input level

The CineMag CM-27101 output transformer has a 7:1 turns ratio and was originally intended for OEM products. It is available standard with wire leads. It has very good bandwidth and good common mode rejection ratio (CMRR). The 50% high-nickel plus 50% steel lamination core gives it warm sound qualities. It is intended for the primary to be capacitor-coupled (parafeed). Upon request, it can be provided with an alternate lamination configuration to take d.c. current in the primary.

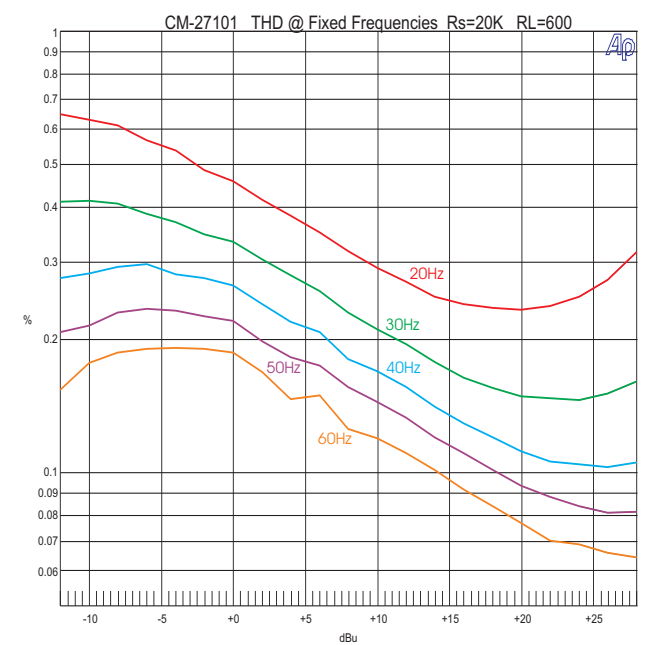
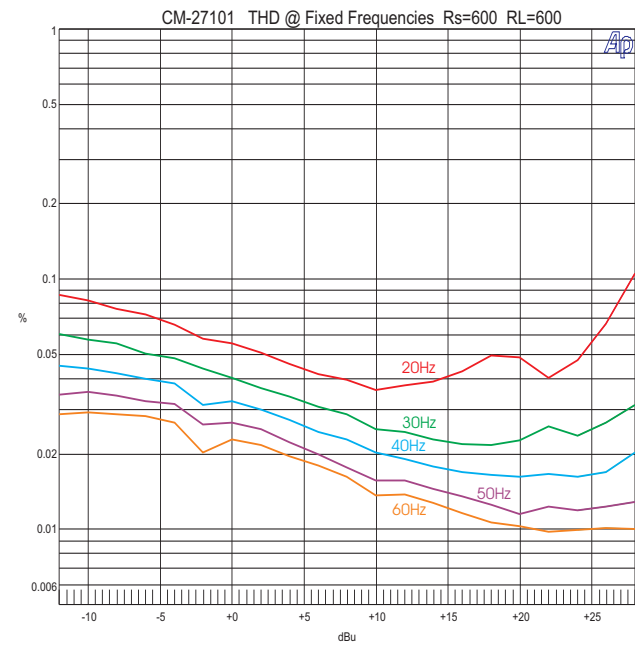
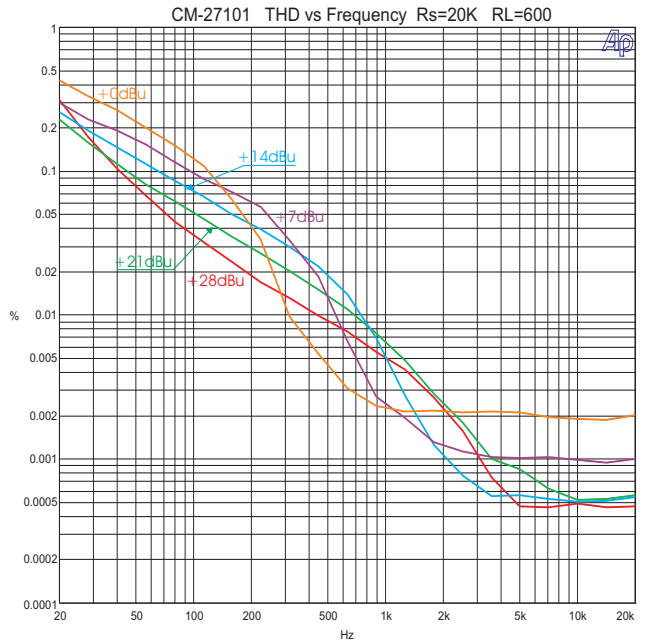
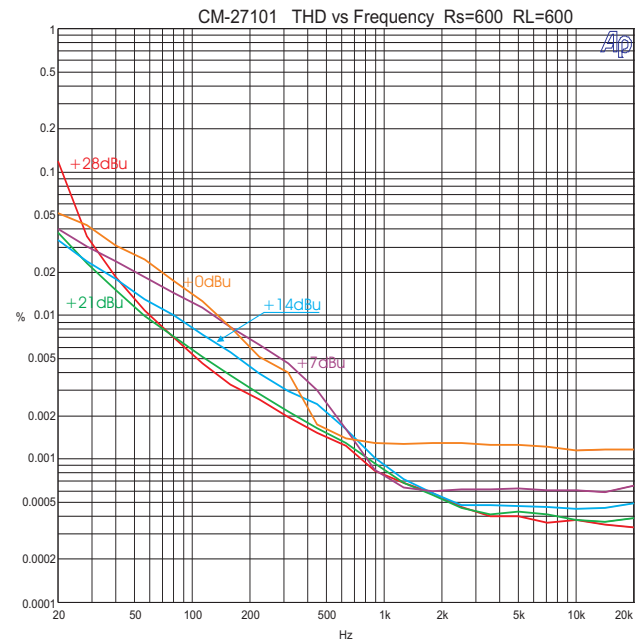
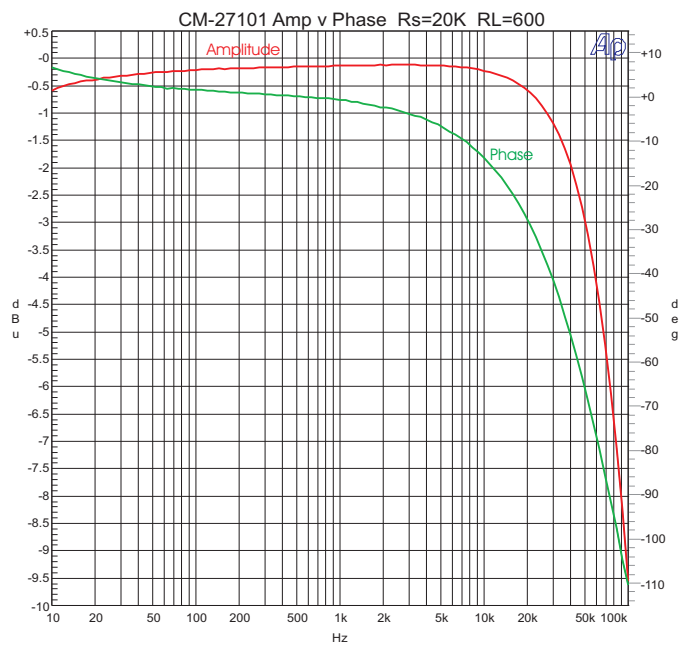
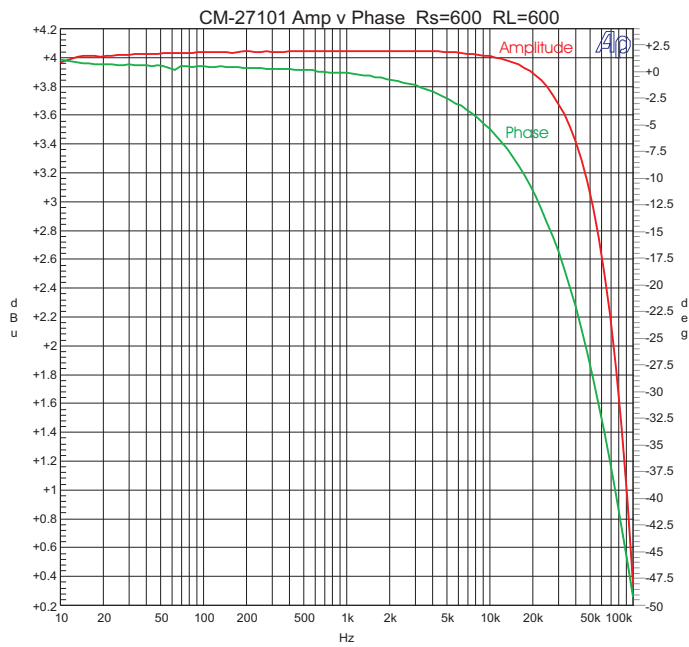
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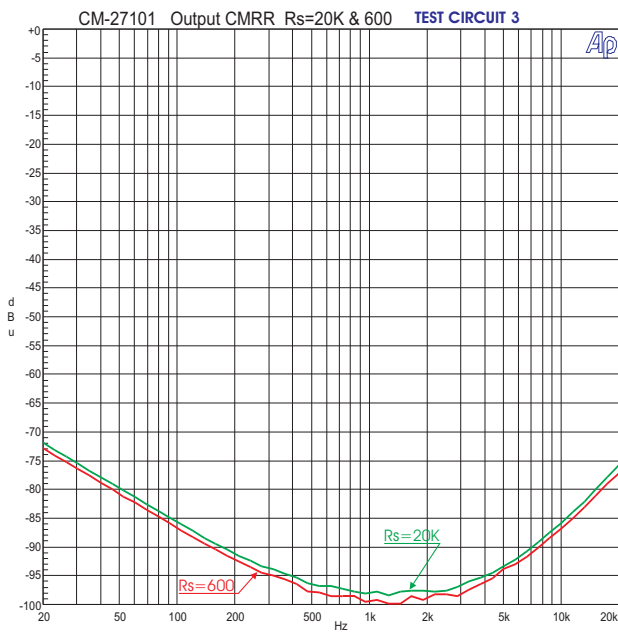
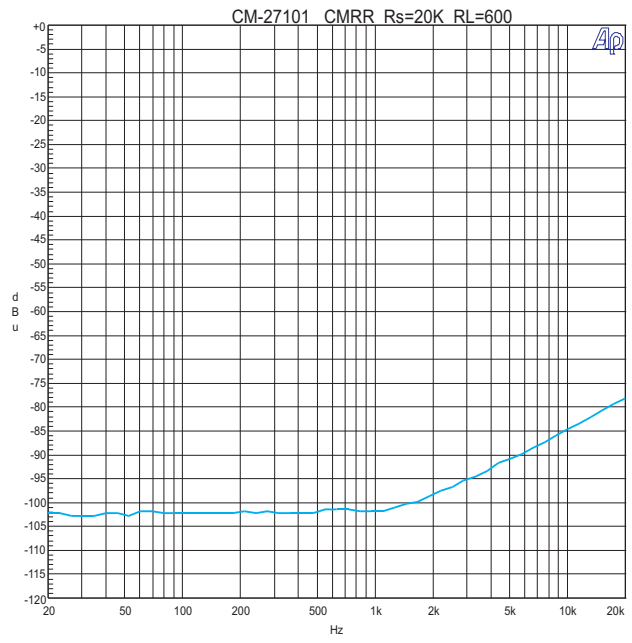
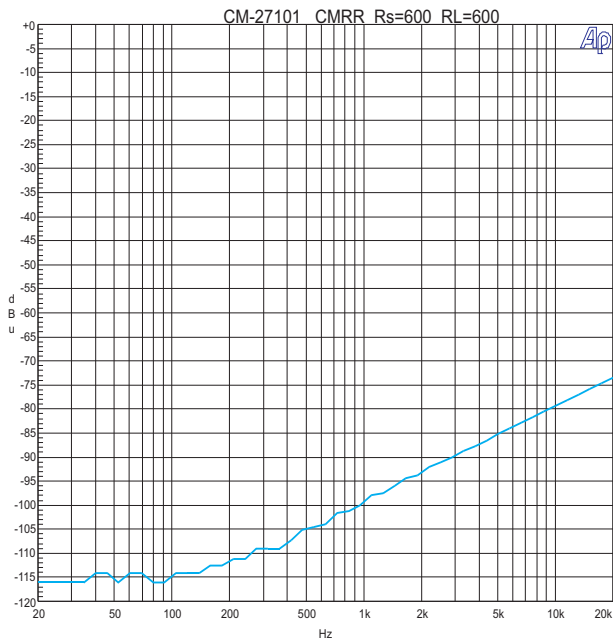
Parameter	Conditions	Typ
Turns Ratio		7 : 1 (29.4K:600)
Voltage Gain	1 kHz, Rs=600 RL=600 Test Circuit 1	-17 dB
Input Impedance	Test Circuit 4	28,870 Ω
Distortion (THD+N%)	1 kHz, +28 dBu Test Circuit 1	0.008%
	20 Hz, +20 dBu Test Circuit 1	0.05%
Max 20 Hz input level	0.6% THD Test Circuit 1	≥+34dBu in
Response, ref 1 kHz	10 Hz Rs=600 Test Circuit 1	-0.05 dB
	20 kHz Rs=600 Test Circuit 1	+0.5 dB
	-3 dB	80 kHz
Phase Shift at 20 Hz	Referenced to source generator	+0°
Phase Shift at 20 kHz	Rs=600 Test Circuit 1	-12°
CMRR	60 Hz Test Circuit 2 per IEE Std 389-1996 ¶19	115 dB
	1 kHz Test Circuit 2 per IEE Std 389-1996 ¶19	100 dB
Operating Temp Range	Operation and storage	0° C Min 70° C Max
Max Soldering Temp (p.c.)	10 Seconds	270° C Max

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

