



QUALITY MAGNETICS SINCE 1979

CM-1057

Dynamic Microphone Output Transformer 1 : 4 Step-up

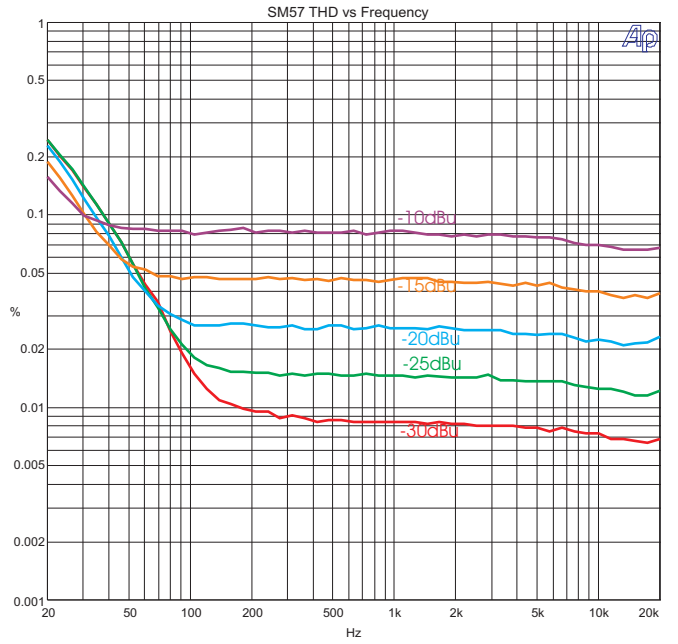
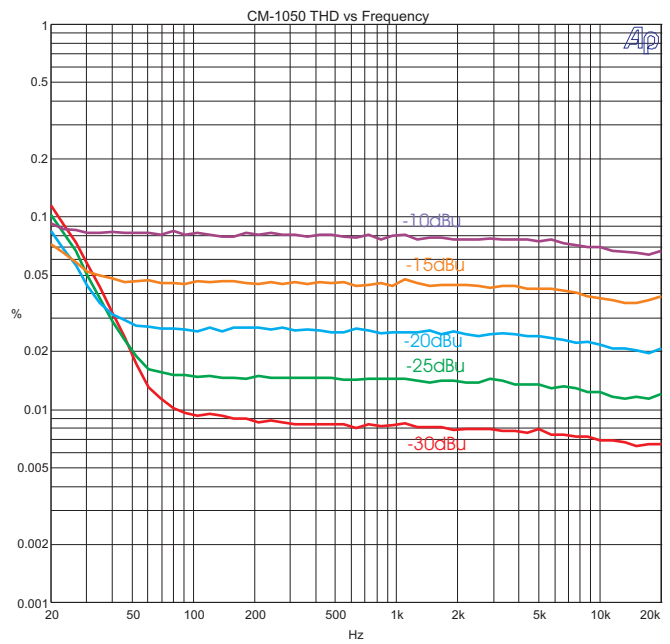
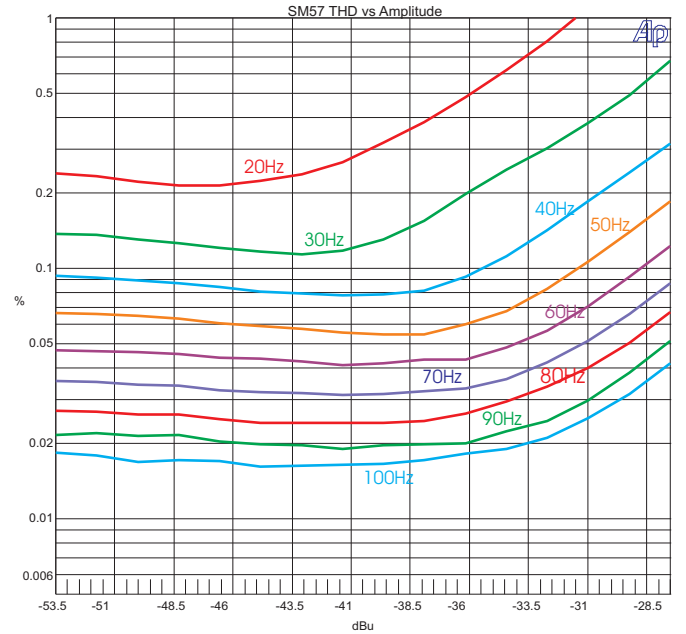
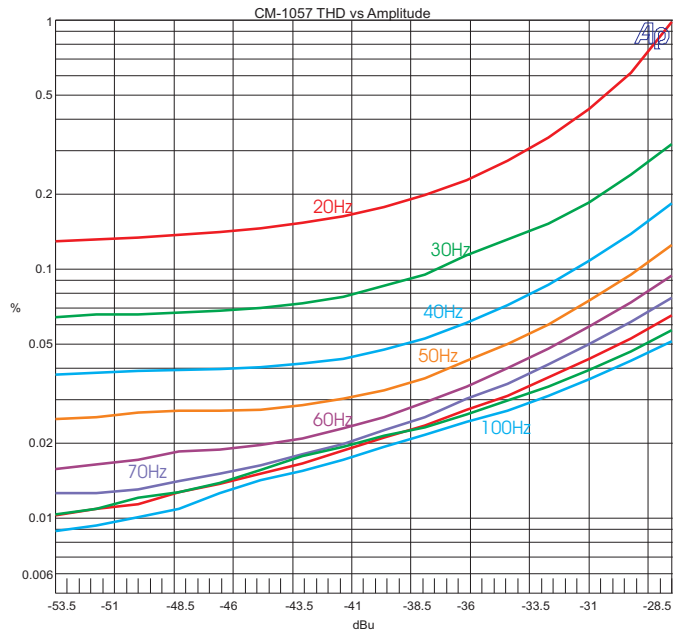
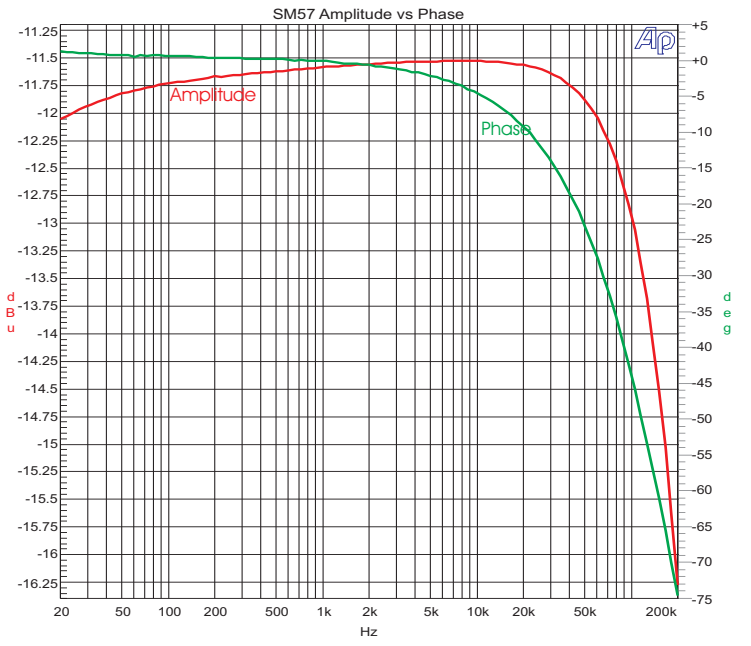
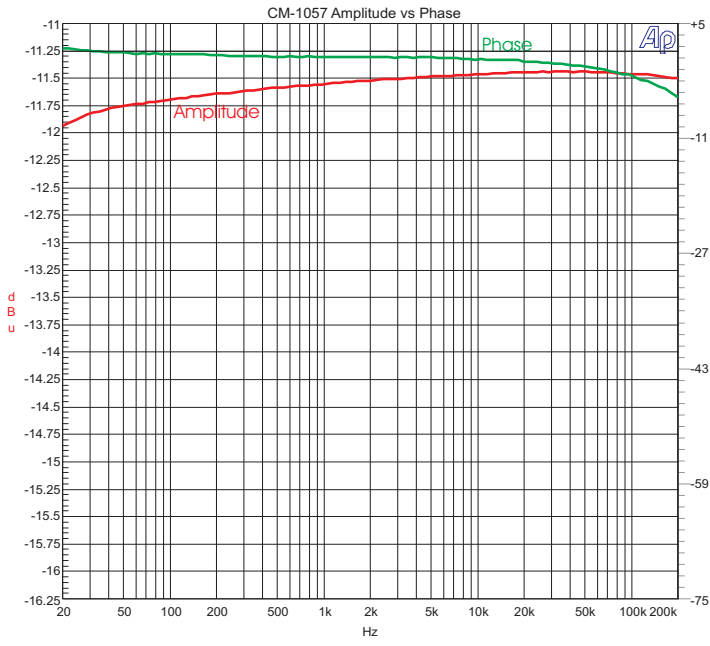
- Shure SM57 & SM58 output transformer replacement
- Superior bandwidth (+0.1 dB at 200 kHz, -0.5dB at 20Hz)
- Hum-bucking configuration
- Very good distortion characteristics
- Excellent CMRR
- +11.4 dB voltage step-up under load; 1:4 turns ratio
- Low profile package

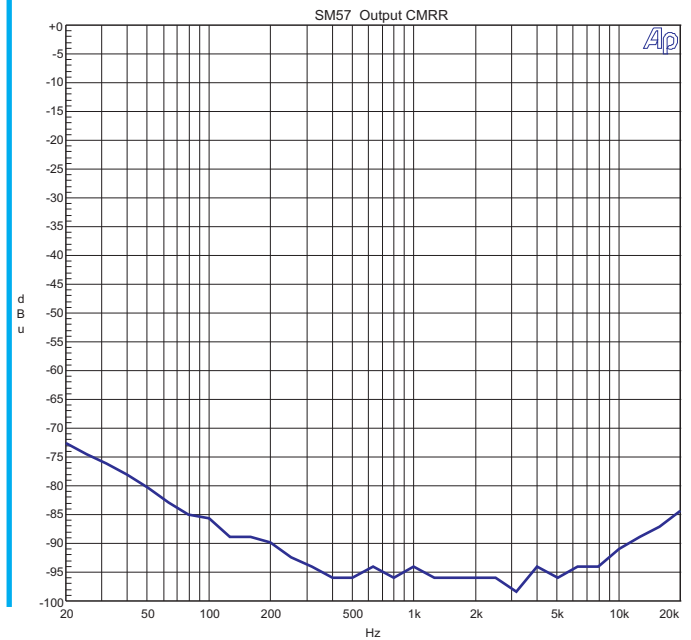
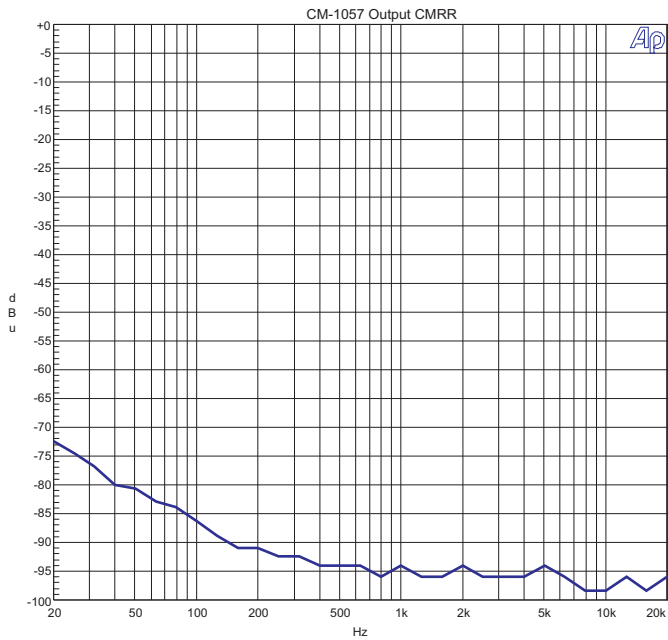
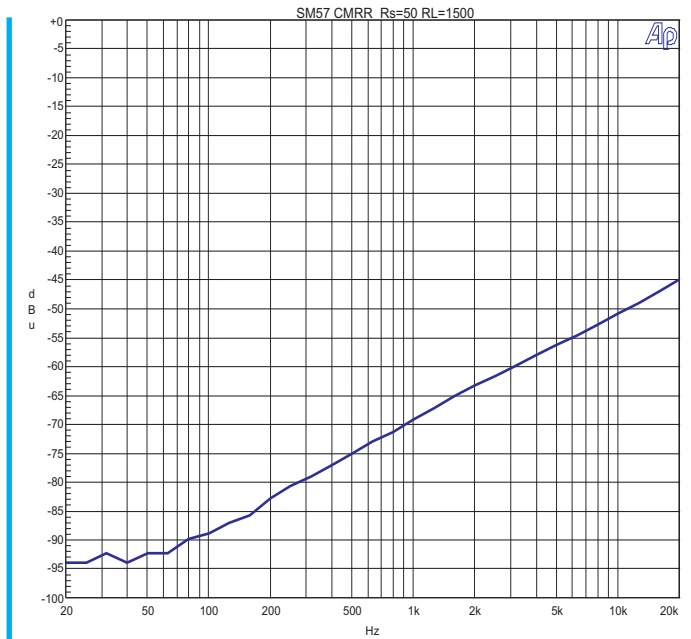
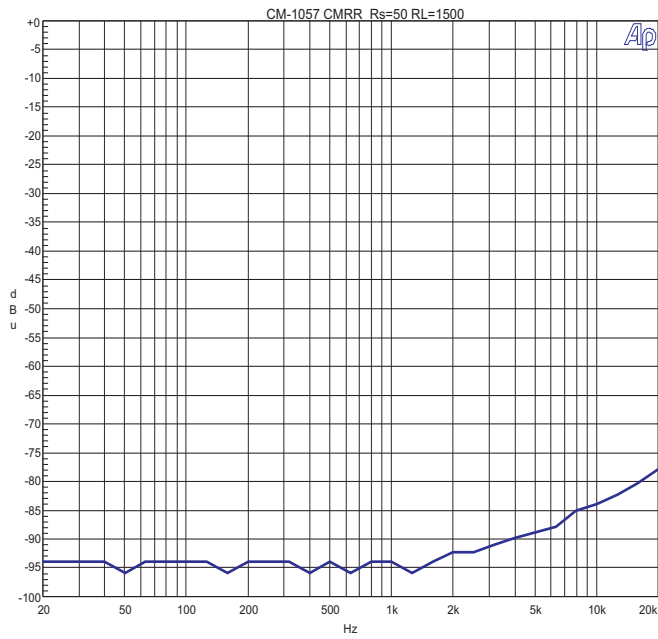
The CM-1050 was designed as an output transformer for dynamic microphones such as the Shure SM57 and SM58. It has excellent bandwidth, common mode rejection ratio (CMRR), and very good distortion characteristics. The CM-1050 will readily fit inside the SM57 and SM58 mic bodies when the old transformer and its encapsulating materials are removed. It is hum-bucking making it very resistant to interference from stray magnetic fields.

CM-1057

Parameter	Conditions	Typ
Turns Ratio		1 : 4.00
Voltage Gain	1 kHz, -20 dBu 150Ω input, 1.5K secondary load impedance	+11.4 dB
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; 150 Ω input, 1.5K secondary load impedance Test Circuit 1	-4 dBu
Response, ref 1 kHz	20 Hz -20 dBu Test Circuit 1 20 kHz -20 dBu 200kHz	-0.5 dB +0.1 dB +0.05 dB
Phase Shift at 20 Hz Phase Shift at 20 kHz	Referenced to source generator Test Circuit 1	+1° -1°
CMRR	60 Hz Test Circuit 2 per IEE Std 389-1996 ¶19 1 kHz Test Circuit 2 per IEE Std 389-1996 ¶19	96 dB 96 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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NOTES:

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

