



QUALITY MAGNETICS SINCE 1979

CM-5701

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. It has excellent bandwidth, common mode rejection ratio (CMRR), and distortion characteristics. It is hum-bucking making it very resistant to interference from stray magnetic fields.

CM-5701

| 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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9050 Independence Ave. Canoga Park, California 91304

(818) 993-4644

<http://www.cinemag.biz>





