

DM 8350

General-purpose Microphone Amplifier with Adjustable Gain

- > General-purpose microphone amplifier.
- > Adjustable gain 10 → 40 dB.

DESCRIPTION

- > Provides easy "sensitivity-matching" between low-output microphones and transceivers requiring high input level.
- > Small, cylindrical amplifier housing.
- > Phantom power supply through AF output cable.
- > Supply voltage: 5-15 V DC.
- > Nominal AF load impedance: 600 Ω.
- > EMC-protected.



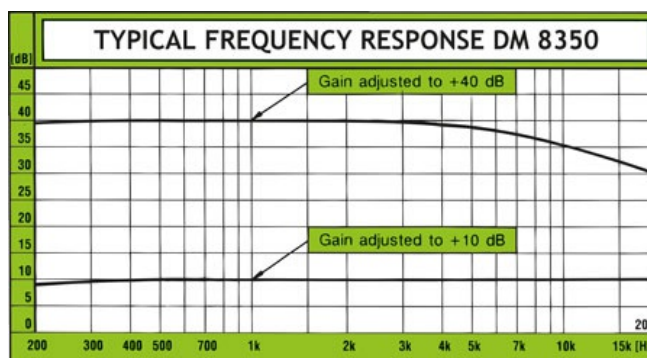
ORDERING DESIGNATIONS

| TYPE NO. | PRODUCT NO. |
|----------|-------------|
| DM 8350 | 270000064 |

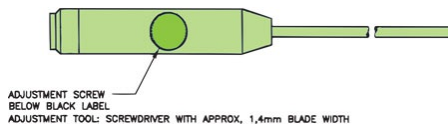
SPECIFICATIONS

| ELECTRICAL | |
|---------------------|---|
| MODEL | DM 8350 |
| TYPE | Microphone amplifier |
| IMPEDANCE | Input impedance: Approx. 2 kΩ Output load impedance: Nom. 600 Ω |
| FREQ. RESPONSE | 0.2 → 20 kHz (See diagram below) |
| MAX. INPUT | 6 mV _{RMS} at max. sensitivity of microphone: -40 dB at 1 kHz rel. 1 V/Pa |
| MAX. OUTPUT | 600 mV _{RMS} in 600 Ω (Before clipping occurs) |
| SUPPLY VOLTAGE | 5-15 V DC (To be supplied from radiotelephone or hands-free kit (Phantom supply via the microphone cable) Specifications given @ 10 V DC |
| CURRENT CONSUMPTION | (Amplifier only): Approx. 2 mA |
| MECHANICAL | |
| CABLE | 0.3 m 1-wire with shield |
| CONNECTOR | Supplied open-ended |
| TEMP. RANGE | Operating: -30°C → +70°C Storage: -40°C → +80°C |
| MATERIALS | POM |
| DIMENSIONS | 12 (D) x 59 (L) mm |

TYPICAL RESPONSE CURVE



ADJUSTMENT SCREW



FUNKTIONAL DIAGRAM

