

## General-purpose Microphone Amplifier with Adjustable Gain

### DESCRIPTION

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



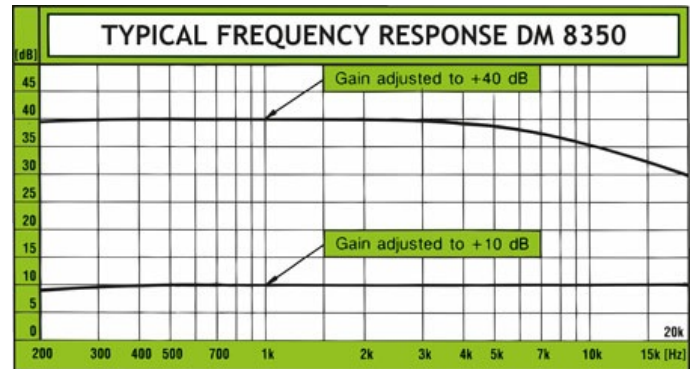
### SPECIFICATIONS

| Electrical                  |   |
|-----------------------------|---|
| Model                       | DM 8350   |
| Type                        | Microphone amplifier  |
| Impedance                   | Input impedance : Approx. 2 kΩ<br>Output load impedance: Nom. 600 Ω   |
| Frequency Response          | 0.2 ±20 kHz (See diagram below)   |
| Power Supply                | 5 - 15 V DC (To be supplied from radiotelephone or hands-free kit (Phantom supply via the microphone cable)<br>Specifications given @ 10 V DC |
| Current Consumption         | (Amplifier only) : Approx. 2 mA   |
| Max. Input                  | 6 mVRMS at max. sensitivity of microphone: -40 dB at 1 kHz rel. 1 V/Pa  |
| Max. Output                 | 600 mVRMS in 600 Ω (Before clipping occurs)   |
| Mechanical                  |   |
| Connection(s)               | Supplied open-ended   |
| Materials                   | POM   |
| Cable                       | 0.3 m 1-wire with shield  |
| Dimensions                  | 12 x 59 mm / 0.47 x 2.32 in.  |
| Environmental               |   |
| Operating temperature range | -30 °C to +70 °C  |
| Storage Temperature Range   | -40 °C to +80 °C  |

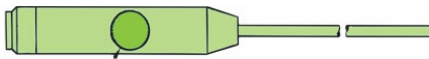
### ORDERING

| Model   | Product No. |
|---------|-------------|
| DM 8350 | 270000064   |

### TYPICAL RESPONSE CURVE

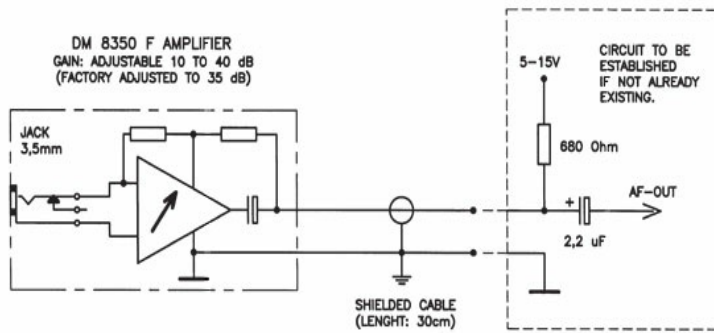


## ADJUSTMENT SCREW



ADJUSTMENT SCREW  
BELOW BLACK LABEL  
ADJUSTMENT TOOL: SCREWDRIVER WITH APPROX. 1,4mm BLADE WIDTH

## FUNCTIONAL DIAGRAM



## EU AND UK DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type DM 8350 is in compliance with EU Directive 2014/30/EU and the UK Electromagnetic Compatibility 2016 (S.I. 2016 No. 1091).  
The full text of the Declaration of Conformity is available at:

<https://amphenolprocom.com/images/shop/catalog/pdf-for-catalogues/Declaration-of-Conformity-DM8350.pdf>

