

General-purpose Hands-Free Microphone with Amplifier

DESCRIPTION

- Hands-Free microphone for use in vehicles.
- Very small for discreet installation.
- Mounts easily on door edging, roof, sun visors, steering column or dash board.
- Gain adjustable over a range of 30 dB gives optimum sensitivity "match" to the majority of all PMR and cellular radiotelephones.
- Simple direction adjustment.
- EMC-protected.
- Power supply from radiotelephone or hands-free kit.
- Excellent sound quality at a competitive price.



SPECIFICATIONS

| Electrical | |
|---------------------|--|
| Model | DM 8350 F |
| Type | Hands-free microphone with amplifier |
| Pattern Type | Non-directional |
| Impedance | 1 k Ω |
| Frequency Response | 0.2 \pm 7 kHz (Shown in diagram below) |
| Power Supply | 5 - 15 V DC (To be supplied from radiotelephone or handsfree kit (Phantom-supply via the microphone cable)) Specifications given @ 10 V DC |
| Current Consumption | Approx. 2 mA |
| Sensitivity | Adjustable -35 \pm 5 dB (\pm 3 dB) at 1 kHz rel. 1 V/Pa |

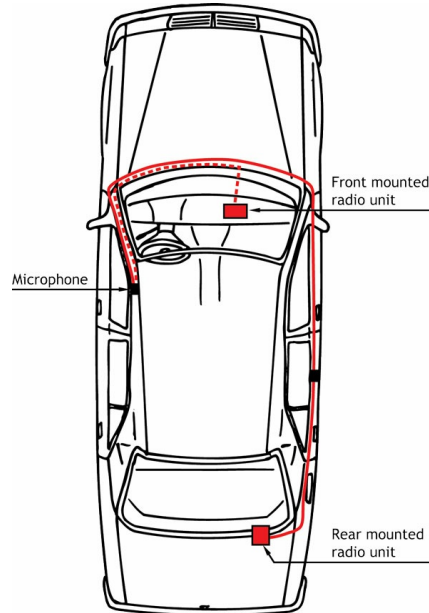
| Mechanical | |
|----------------|---|
| Cartridge Type | Electret |
| Connection(s) | Microphone part : 3.5 mm dia. plug at cable end Amplifier part : 3.5 mm dia. jack in housing Cable end unterminated |
| Materials | Microphone part : ABS Amplifier part : POM |
| Cable | Microphone part : 4 m 1-wire with shield Amplifier part : 0.3 m 1-wire with shield |
| Dimensions | Microphone part : 20 x 20 x 21 mm / 0.79 x 0.79 x 0.83 in. Amplifier part : 12 x 59 mm / 0.47 x 2.32 in. |
| Weight | Microphone part : Approx. 60 g Amplifier part : Approx. 12 g |

| Environmental | |
|-----------------------------|--------------------------------------|
| Operating temperature range | -30 $^{\circ}$ C to +70 $^{\circ}$ C |
| Storage Temperature Range | -40 $^{\circ}$ C to +80 $^{\circ}$ C |

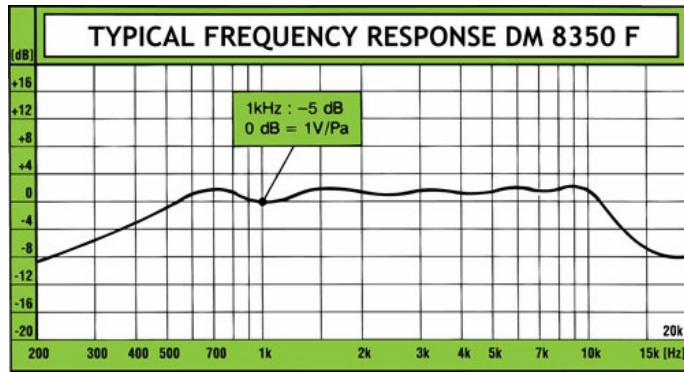
ORDERING

| Model | Product No. |
|-----------|-------------|
| DM 8350 F | 270000037 |

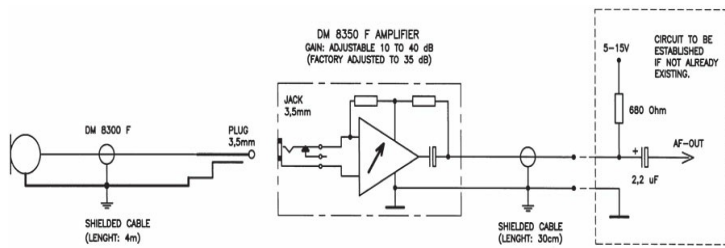
MOUNTING DETAILS



TYPICAL RESPONSE CURVE



FUNKTIONAL DIAGRAM



EU AND UK DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type DM 8350 F 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-DM8350F.pdf>

