

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.



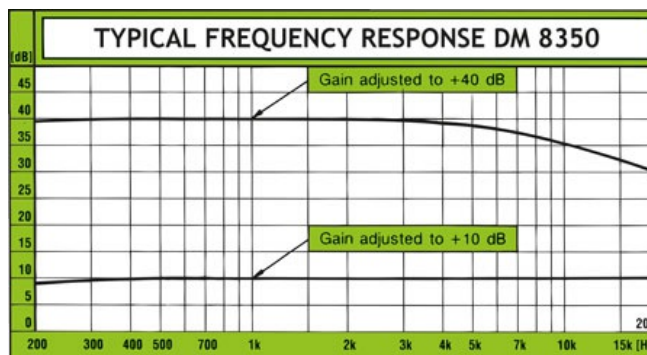
SPECIFICATIONS

Electrical	
Model	DM 8350
Type	Microphone amplifier
Impedance	Input impedance : Approx. 2 kΩ 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) 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

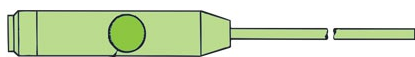
ORDERING

Model	Product No.
DM 8350	270000064

TYPICAL RESPONSE CURVE

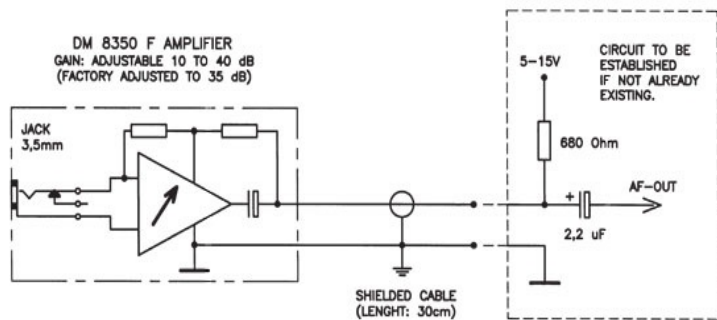


ADJUSTMENT SCREW



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>