

# 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
Туре	Microphone amplifier
Impedance	Input impedance : Approx. 2 k $\Omega$ Output load impedance: Nom. 600 $\Omega$
Frequency Response	0.2 ±20 kHz (See diagram below)
Power Supply	5 - 15 V DC (To be supplied from radiotelephone or hands-free kit (Phantomsupply 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 O (Before clipping occurs)

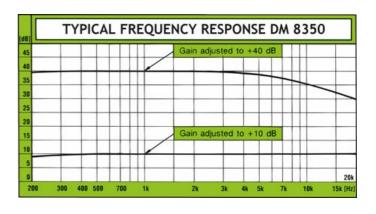
Mechanical	
Connection(s)	Supplied open-ended
Materials	POM
Cable	0.3 m 1-wire with shield
Dimensions	12 x 59 mm / 0.47 x 2.32 in.

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

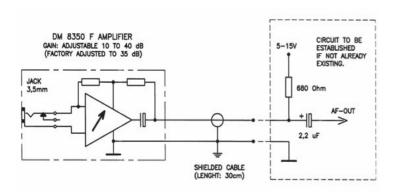




## ADJUSTMENT SCREW



## **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-catalouges/Declaration-of-Conformity-DM8350.pdf