

## 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.



### ORDERING

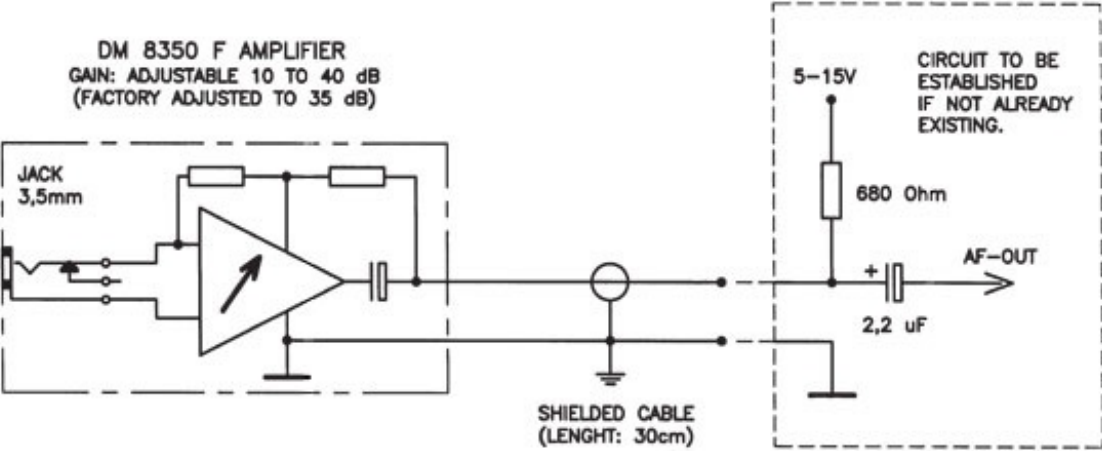
Type	Product No.
DM 8350	270000064

### SPECIFICATIONS

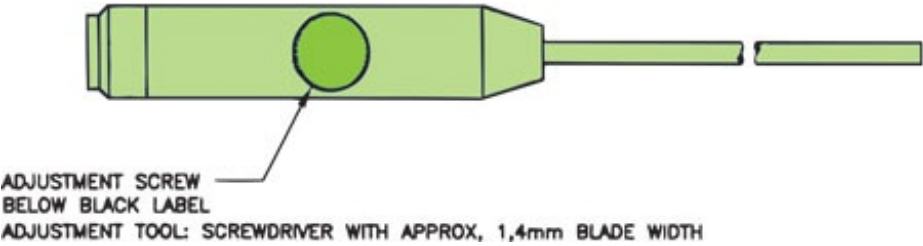
Electrical		
Model	DM 8350	
Type	Microphone amplifier	
Impedance	Input impedance: Approx. 2 kΩ Output load impedance: Nom. 600Ω	
Frequency Response	0.2 +/- 20 kHz (See diagram below)	
Power Supply	5-15 V DC (To be supplied from radiotelephone or hands-free kit (Phantom supply via the microphone cable) Specifications given @ 10 V DC	
Current Consumption	(Amplifier only): Approx. 2 mA	
Maximum Input	6 mVRMS at max. sensitivity of microphone: -40 dB at 1 kHz rel. 1 V/Pa	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 (D) x 59 (L) mm	
Environmental		
Operating Temperature Range	-30°C to +70°C Storage: -40°C to +80°C	

ADDITIONAL DATA

FUNKTIONAL DIAGRAM



ADJUSTMENT SCREW



TYPICAL RESPONSE CURVE

