

## 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

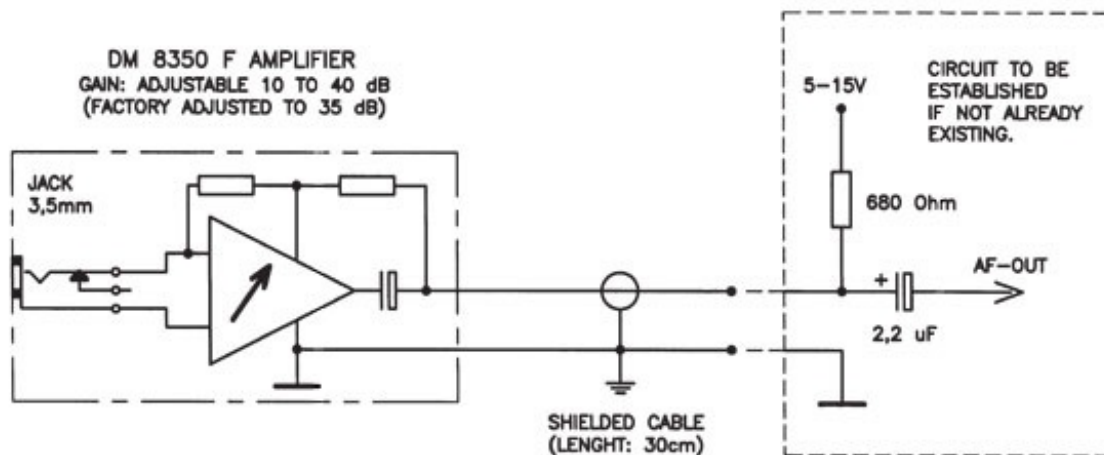
Type	Product No.
DM 8350	270000064

### SPECIFICATIONS

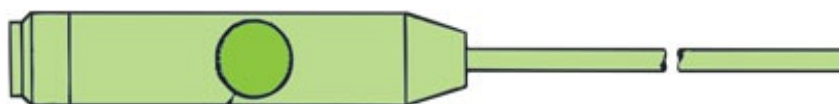
Electrical	
Model	DM 8350
Type	Microphone amplifier
Impedance	Input impedance: Approx. 2 kΩ Output load impedance: Nom. 600Ω
Frequency Response	0.2 +/- 20 kHz (See diagram below)
Power Supply	5-15 V DC (To be supplied from radiotelephone or hands-free kit (Phantom supply via the microphone cable) Specifications 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



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

TYPICAL RESPONSE CURVE

