



MX153 -- Earset Headworn Microphone

General Description

The Shure Microflex[®] MX153 is a professional subminiature earset microphone ideal for speech and other applications requiring low-profile discreet placement where improved gain before feedback over lavalier microphones is desired. Delivering exceptional speech clarity, the MX153 is ideal for corporate presentations, houses of worship, A/V conferencing and live sound reinforcement. Additionally, CommShield[®] Technology offers superior RF immunity from cellular devices and digital bodypack transmitters. Available in three color options and direct TA4F connectivity to Shure bodypacks, the MX153 provides outstanding clarity in an extremely comfortable, over the ear design.

Features

- Subminiature, omnidirectional cartridge offers superior speech clarity and enhanced plosive protection with no proximity effect
- Terminated with TQG/TA4F connector for direct connectivity to Shure wireless bodypack transmitters
- Ultra-lightweight, comfortable, flexible design is stable and easy to place over either ear
- CommShield[®] Technology guards against interference from cellular RF devices and digital bodypack transmitters
- Kevlar[®] reinforced, soft flex cable
- Matte black, tan, and cocoa color options available
- Includes protective storage pouch, 3 windscreens, and collar clip

Model Variations

MX153B/O-TQG	Black
MX153T/O-TQG	Tan
MX153C/O-TQG	Cocoa

Specifications

Transducer Type

Electret Condenser

Polar Pattern

Omnidirectional

Frequency Response

20 to 20,000 Hz

Output Impedance

N/A

Sensitivity

open circuit voltage, @ 1 kHz, typical

-41 dBV/Pa ^[1] (9 mV/Pa)

Maximum SPL

1 kHz at 1% THD ^[2]

2500 Ω load	107 dB SPL
1000 Ω load	107 dB SPL

Signal-To-Noise Ratio ^[3]

60 dB

Dynamic Range

@ 1 kHz

2500 Ω load	73 dB
1000 Ω load	73 dB

Self Noise

equivalent SPL, A-weighted, typical

34 dB

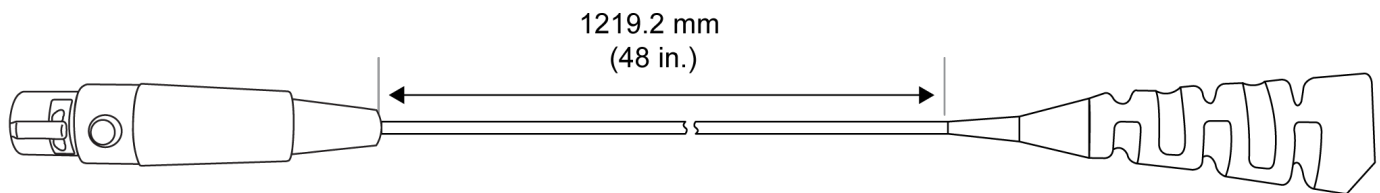
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**Common Mode Rejection**

20 to 20,000 Hz

N/A

Operating Temperature Range

-18°C (0°F) to 57°C (135°F)

Polarity

Positive pressure on diaphragm produces negative voltage on pin 3 with respect to pin 1.

Power Requirements

+1–5 V DC (500 μ A max.)

Weight

19.76 g

1 Pa=94 dB SPL

THD of microphone preamplifier when applied input signal level is equivalent to cartridge output at specified SPL

S/N ratio is the difference between 94 dB SPL and equivalent SPL of self noise, A-weighted

