



D-Shell 2 wire Earpiece

Comfort, Lightweight and Professional



In responding to today's image conscious users, Motorola is pleased to introduce the new D-shell 2 wire Earpieces. The D-shell earpieces are designed to ensure comfort of use, elegance of appearance with Motorola's quality and reliability standards. The D-shell Earpieces are specifically designed for the following market segments:

Hospitality, Entertainment and Event Coordination
Ultra lightweight and stylish to support site and guest coordination. Keeps the message within the team.

Retail and Estate Management:
Innovative design helps the user to access work and partner immediately. Co-ordinate on-site manpower and resource deployment, contact work partners without delay and improve site security to curtail loss.

Private Security
Frees up hands without restricting movement allowing guards to stay in touch with other team members and the base.

Education and Sports
Designed to initiate quick and clear communication to get jobs done effectively and efficiently, offers comfortable wearing for long periods of usage.

PMLN5000
GP Radios

PMLN5001
CP Radios

PMLN5002
GP Compact

Features and Benefits

D-Shell 2-Wire Earpiece

- This new D-style Earpiece provides comfort and better fit for extended wear
- Provides hands-free and private conversation
- Easy to use thanks to the combined microphone/in-line PTT
- Can be worn on left or right ear
- Quick and convenient communication while on the job
- Large speaker - excellent audio loudness
- Suitable for users in the retail, hotel, catering and hospitality industries where projecting professional image is as important as reliable communication and seamless co-ordination

D-Shell 2 wire Earpiece

Technical Specifications

Mechanical Specifications

Product weight:	43 -54 grams (depending on end connector)
Insulation jacket:	TPE, class C flammability
Cable OD:	2.5mm +/- 0.1mm
Flex Life:	10,000 Cycles
Pull Strength:	10 Lbs @ In-Line PTT , radio connector & ear set
Case Material:	PC Lexan, Black
PTT actuation:	250 +/-50gf

Microphone

Type:	Electret Condenser
Directivity:	Omni-directional
Sensitivity:	-47dB +/- 2dB (0dB=1V/Pa, 1KHz)
Impedance:	1.6 k ohm +/- 20% (at 1Khz)
Frequency range:	20Hz to 20Khz
Operation voltage range:	1 to 10V max.
Current drain:	0.5mA max.
Signal to noise ratio:	> 58dB

Earpiece

Type:	D-Hook rubber
Speaker:	23mm diameter, 0.25Watt
Impedance:	32ohm
SPL Output Level :	94dB SPL +/- 3dB (0.25W, 32 ohm)
Sensitivity:	80dB ± 4dB average SPL, from 300 to 3,000Hz.
Distortion (THD):	5% max. at rated input of 1.0 kHz.

Environmental Specifications

Operating Temperature:	-30°C to +60°C
Storage Temperature:	-40°C to +85° C
Thermal Shock:	-40°C to +80°C
Humidity:	RH 90% @ 50°C for 8 hours.
Corrosion resistance:	MIL-STD 810F Method 509.4
Vibration:	MIL-STD 810F Method 514.5, Procedure 1, Category 24
ESD:	IEC 801-2 (IEC 61000 4-2)
Regulatory Approval:	CE, EME, FM

For more information please contact your local Motorola Authorised Dealer or Distributor

