

## Covert Earpiece

The PED 0418 Covert Ear Piece Kit consists of a miniature digital in-ear-canal inductive receiver and ultra low-profile neckloop. It is used in security and public safety applications as well as by broadcast presenters.

**Part No: PED 0418**

### Earpiece Features

- Inductively couples wireless earphone
- Smallest Earpiece on the Market
- Excellent Speech Intelligibility
- Up to 80 hours battery life
- Battery low indicator (Audible beep)
- Available with a range of inductive neck loops and packs



### General Specifications

The PED 0418 Covert Earpiece Kit comprises the smallest earpiece and thinnest neck loop on the market giving the user undetectable 2-way communications. The broad frequency range of the earpiece gives it unrivalled speech intelligibility. The non-handed design allows it to be fitted comfortably in either ear. The digital signal processor (DSP) has been specially tuned to provide excellent speech intelligibility. The earpiece incorporates an auto-off (hard squelch) system that silences the earphone when there is no audible communications signal present. This can be helpful when working in areas where there may be electromagnetic interference. The earphones have a replaceable wax guard system to eliminate problems caused by ear wax. A range of inductive neck loops and inductor packs are also available for these products.

### Neck loop Features

- Ultra low profile Y-piece only 7.5mm thick (50 x 30 x 7.5mm)
- Light weight only 75g
- Available with and without built in communication microphone
- Optional ski-slope microphone to reduce low frequency noise
- Black or beige colours available



## Ear Piece Technical Data

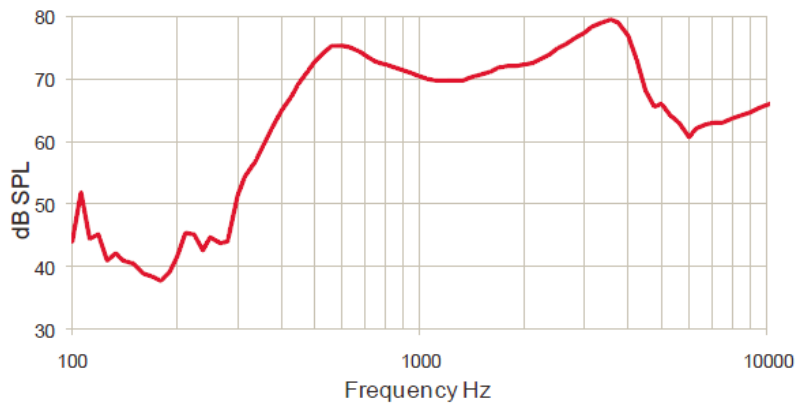
Frequency Range	400-5000Hz
Distortion	<3% at 10-100mA/m H-field
Sensitivity	65dB±3dB at 1kHz–10mA/M
Max output	84dB±3dB
Battery Type	1.4VDC A10 Zinc Air
Minimum Voltage	1.1VDC
Operating Temp	-10°C to 40°C
Battery Low indicator	Audible beep

Customised Hybrid DSP

Hard squelch with fast acting attack time

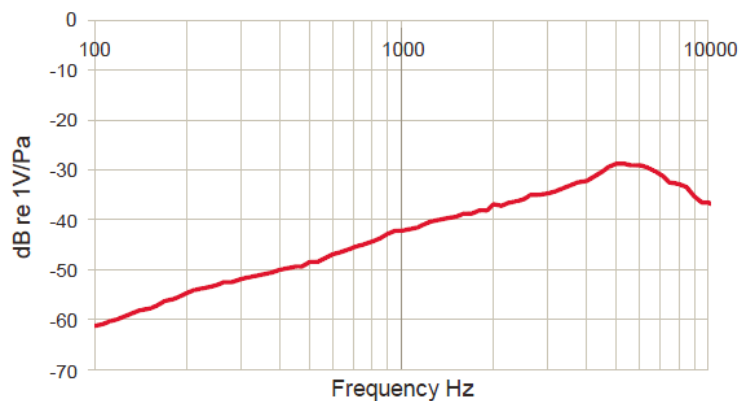
Balanced armature receiver

## Typical Earpiece Frequency Response

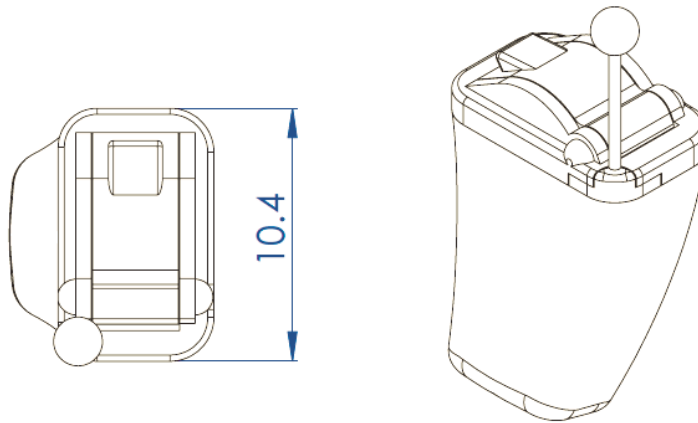
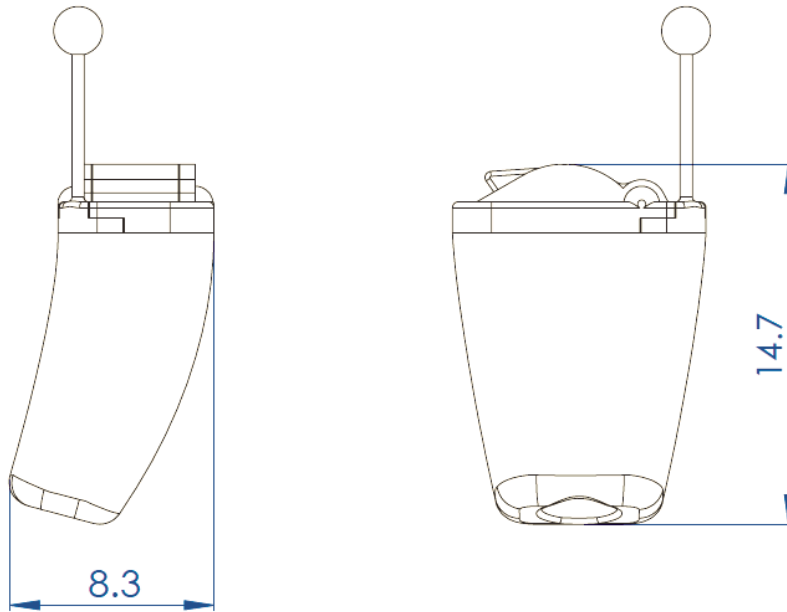


Measurement Conditions: Ambient Temperature: 25°C Supply Voltage: 1.4VDC Response measured using a 10mm x 2mm tube into a 2cm<sup>3</sup> coupler (IEC118-1).

## Typical Neck loop Microphone Frequency Response



Measurement Conditions: Ambient Temperature: 25°C Supply Voltage: 1.4VDC Response measured using an IEEE 269, 66 and ITU T Rec. P5 compliant Mouth Simulator



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