

3M™ Peltor™ Technical Datasheet



PELTOR™

Peltor™ Flex Headset

MT53H79A-77, MT53H79B-77, MT53H79P3E-77

Product description

With its carefully designed microphone-/speaker system and excellent attenuation, the new headset range offers unique acoustic performance providing outstanding communication in very high noise environments. Peltor's proven and durable designs ensure high comfort levels, allowing long term use under very tough conditions.

Key Features:

- High Attenuation cups
- Optimised acoustic design
- Good Space for the ears
- Stainless steel headband
- Beam-mounted earphones

- (A:1) Headband wire (stainless steel)
(A:2) Two-point fastener (headband wire)
(A:3) Ear cushion (PVC foil and Polyester foam)
(A:4) Attenuation cushion (Polyester foam)
(A:5) Headband (sheet metal)
(A:6) Headband padding (Leather)
(A:7) Speech microphone



Applications

Users who want to communicate with 2 way radio or phone in a noisy environment.

Standards and Approval:

The product has been tested and approved according to the following standards:

EN 352-1, EN 352-4, EN 352-6

This equipment is in conformity with the provisions of Council Directive(s):

89/686/EEC (PPE), 1999/5/EC (R&TTE)

Notified Bodies:

Finish Institute of Occupational Health, Topeliuksenkatu 41 a A, FI-00250, Helsinki, Finland

Marking:

As the product is in conformity with provisions of Council Directives it carries the CE-mark. The product is also marked in accordance with 89/686/EEC (PPE).

Versions:

Description		Article no	EAN/UPC	Colour
MT53H79A-77	Headset headband	XH001661137	7318640041394	Black
MT53H79P3E-77	Headset Helmet mount	XH001661301	7318640041400	Black
MT53H79B-77	Headset Neckband	XH001676234	7318640054295	Black

Accessories and Spare parts:

Description		Art no	EAN
H79	Hygiene Kit	XH001651047	7318640011779
M40/1	Windsheild	11003066252	93045978786
MT53N-11 900	Bom Microphone	XL001643581	

Materials:

Headband wire (stainless steel)
Two-point fastener (headband wire)
Ear cushion (PVC foil and Polyester foam)
Attenuation cushion (Polyester foam)
Cup (ABS)

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Technical Data Specifications:

MT53 Microphone

Type: Electret differential microphone

Frequency range: 70–10 000 Hz +/- 6 dB

Sensitivity as lip mike: 15mV/680^

Impedance: 680^

Noise suppression: 15 dB at 1 kHz

Earphone HTS-230^

Type: Dynamic

Frequency range: 125-8000Hz

Impedance: 230^

Output level at 0,5V/1kHz: 81dBA

Weight:

MT53H79A-77 Head band: 310 g

MT53H79P3E-77 Helmet attachment: 340 g

MT53H79B-77 Neckband: 360 g

MT53H79A-**-**

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.7	27.1	33.8	38.1	36.2	33.6	37.1
Standard Deviation (dB)	2.9	2.1	2.4	2.6	2.3	2.5	2.2
Assumed Protection (dB)	14.8	25	31.4	35.5	33.9	31.5	34.9

SNR=33dB H=33dB M=32dB L=24dB

MT53H79P3E-**-**

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.2	26.4	33.9	37.2	35.4	33.2	37
Standard Deviation (dB)	3.1	2.5	2.7	2.3	2.6	2.4	2
Assumed Protection (dB)	14.1	23.9	31.2	34.9	32.8	30.8	35

SNR=32dB H=33dB M=31dB L=23dB

Warranty:

The warranty does not cover any damage caused by neglected maintenance or careless handling. For more information on maintenance, please see the user instruction. For complete warranty condition, contact your dealer or local 3M office

Important Notice:

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3M Personal Safety Division

3M United Kingdom
3M Centre
Cain Road, Bracknell
Berkshire RG12 8HT
Tel: 0870 60 800 60
www.3m.co.uk/safety

3M Ireland Limited
The Iveagh Building
The Park
Carrickmines
Dublin 18
Tel: 1 800 320 500

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