

3M™ Peltor™ Technical Datasheet



PELTOR™

3M™ Peltor™ High Attenuation Headset

MT7H79F-50-34, MT7H79P3E-50-34
PMLN6087A, PMLN6092A



Product description

3M™ Peltor™ High Attenuation Headset is a series of headset with high attenuation values. The microphone is of noise cancelling type for communication in high noise areas. The P3E-version is for helmet attachment and comes with changeable attachments to fit 3M™ Peltor™ helmets and many other helmet brands on the market. ATEX/IECEx approved.

Article number	Description	3M ID number
MT7H79F-50-34	Headset for Motorola, head band	XH001680129
MT7H79P3E-50-34	Headset for Motorola, helmet attachment	XH001680137

Key Features

- ATEX/IECEx approved for use in areas where intrinsic safety is required
- Dynamic noise cancelling microphone

Accessories

Article number	Description	3M Id number
HY79	Hygiene kit	XH001659297
M40/1	Microphone protection	XH001652516
HYM1000	Mic.protection tape	XH001651328
MT91-50	Throat microphone	XH001669460

Application

The Peltor™ High Attenuating Headset, ATEX/IECEx approved, is designed to be used together with a Peltor PTT adapter and a Motorola radio in noisy industrial areas where intrinsic safety is required.

Standard and Approval

MT7H79*-50-34 is in conformity with the provisions set out in the PPE directive 89/686/EEC, the EMC directive 2004/108/EC and the ATEX directive 94/9/EC. Thereby it fulfils the requirements for CE marking.

The product has been tested and approved in accordance with EN352-3:2002, EN352-6:2002, EN 60079-0:2009, EN60079-11:2007. The product has been verified according to: EN 61000:6-2:2005.

The product has been examined by:

FIOH, Finnish Institute of Occupational Health, Topeliuksenkatu 41 a A, FI-00250, Helsinki, Finland Notified body #0403

NEMKO, Gaustadalléen 30 N-0373 OSLO, NORWAY Notified Body #0470

The product has been approved for use in potentially explosive environment according to ATEX directive and IEC Ex.

Product marking:

 II 2G Ex ib IIC T4 -20°C ≤ Ta ≤ +50°C



3M™ Peltor™ Technical Datasheet

Technical Data Specifications

Materials:

Head band: Stainless steel / leather

Cups: ABS

Ear cushions: PVC covered PU foam

Microphone:

Type: Noise cancelling dynamic microphone

Sensitivity: -60dB+-3dB (0dB=1V/Pa @ 1 kHz)

Impedance: 230 Ω +20% -10%

Cable and connector:

0.5–1.4-m cable curled PU with connector type TP-120

Storage

Recommended storage conditions: -20° C - +55° C, <85% humidity

Recommended maximum shelf life: 5 years except the batteries: <1 year

Use limitation

Never modify or alter this product.

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 full warranty condition, contact your dealer or local 3M office.

Attenuation

MT7H79F-50-34

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
Std deviation (dB)	2,9	2,1	2,4	2,6	2,3	2,5	2,2
APV* (84%)	14,8	25,0	31,4	35,5	33,9	31,1	34,9

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

MT7H79P3E-50-34

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	17,2	26,4	33,9	37,2	35,4	33,2	37,2
Std deviation (dB)	3,1	2,5	2,7	2,3	2,6	2,4	2,0
APV* (84%)	14,1	23,9	31,2	34,9	32,8	30,8	35,0

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

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



3M Personal Safety Division

3M Svenska AB, Box 2341

SE-331 02 Värnamo

Sweden

Phone: +46 (0) 370 65 65 65

Fax: +46 (0) 370 65 65 99

Email: peltorcommunications@mmm.com

Internet: www.3M.com/Peltorcomms

Please recycle. Printed in Sweden.

© 3M 2014. All rights reserved.

Bluetooth is a registered trademark of Bluetooth SIG Inc.