

# 3M™ Peltor™ Technical Datasheet



PELTOR™

## Peltor™ WS Workstyle (EMEA)

MT16H21\*WS5\*\*580SV

### Key Features:

- Wireless calls and music with Stereo Bluetooth®
- Level dependent function (talk through)
- Noise attenuation: SNR 26 dB
- Sound limiter and dosimeter
- Integrated noise cancelling microphone
- Exchangeable Shells
- Foldable
- Stainless steel headband
- Ghost voice guided interface
- Configure menu:
  - Bass Boost
  - Music Limiter Mode
  - Surround Balance
  - Surround Equalizer
  - External Input
  - Side tone volume setting
  - Reset to Factory Default

- (A:1). Headband wire (stainless steel)
- (A:2) Two-point fastener (headband wire)
- (A:3) Ear cushion (PVC foil and Polyester foam)
- (A:4) Microphone for surround sound
- (A:5) Attenuation cushion (Polyester foam)
- (A:6) Inner shell
- (A:7) Outer shell
- (A:8) Clamp
- (A:9) Headband (sheet metal)
- A:10). Headband padding (Thermoplastic Elastomer)
- (A:11) AUX audio input, 3.5 mm stereo
- (A:12) Audio input, J22
- (A:13) On/Off/Mode
- (A:14) VOL+, VOL –
- (A:15) Speech microphone
- (A:16) Bluetooth button
- (A:17) Charger jack
- (A:18) Charger
- (A:19) Rechargeable AAA NiMH batteries
- (A:20) Stereo cable 3,5mm. FL6CE



A:18



A:19



A:20



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## Versions:

| Description   | 3M art no   | EAN/UPC       |
|---|-------------|---------------|
| MT16H21FWS5E-580SV WS WorkStyle/EU/Industry/F                               | XH001675715 | 7318640054080 |
| MT16H21FWS5G-580SV WS WorkStyle/UK/Industry/F                               | XH001676879 | 7318640054844 |
| MT16H21FWS5EM580SV WS WorkStyle/EU/Industry/F<br><b>Boom mic included</b>   | XH001678248 | 4046719394012 |
| MT16H21PWS5EM580SV WS WorkStyle/EU/Industry/P3E<br><b>Boom mic included</b> | XH001677992 | 7318640055803 |
| MT16H21PWS5GM580SV WS WorkStyle/UK/Industry/P3E<br><b>Boom mic included</b> | XH001678008 | 7318640055827 |

## Accessories and Spare parts:

| Description                              | 3M art no   | EAN           |
|--|-------------|---------------|
| HY68 SV Hygiene Kit                      | XH001659461 | 7318640041172 |
| FL6CE 3,5 mm to 3,5 mm cord              | 11003066724 | 7318640059221 |
| FL6H J22 to 3,5 mm cord                  | XH001652078 | 7318640000629 |
| FL6M J22 to 2,5 mm cord                  | XH001652094 | 7318640010956 |
| TAMT06 J22 to two pin with PTT/mic       | XH001662747 | 7318640042612 |
| TAMT06V J22 to two pin with PTT/mic/ang. | 11003064257 | 7318640047501 |
| MT661-D Flexmic/PTT 2,5/3,5mm/angel conn | XH001676416 | 7318640049482 |
| MT661-F Flexmic/PTT 2,5/3,5mm/straight   | XH001676473 | 7318640054493 |
| MT53N-11-A44 Boom Microphone             | XH001677190 | 7318640055322 |
| FR07 EU EU charger WS Workstyle          | XH001675723 | 7318640054097 |
| FR07 GB UK charger WS Workstyle          | XH001676887 | 7318640054851 |

## Technical Data Specifications:

|                        |  |
|------------------------|--|
| Power:                 | Battery Type: 2 x AAA 1,2-1,5V batteries (Ni-Cd, Alkaline, Lithium, Manganese etc), or rechargeable 2 AAA Ni-Mh batteries (included) |
| Operating time:        | Surround + Bluetooth (active) >11h<br>Surround only + Bluetooth Off >100h  |
| AC power supply:       | 100-240V. 50-60 Hz   |
| Charging time:         | 8 hours  |
| Charging Plug:         | EIAJ Class 2 5V DC   |
| Wireless Connectivity: | Bluetooth 2.1  |
| Bluetooth Profiles:    | Bluetooth headset profile 1.2<br>Bluetooth hands-free profile 1.5<br>Bluetooth A2DP profile 1.2<br>AVRCP 1.0                         |
| Bluetooth Range:       | Up to 10m, class 2   |
| Pairing PIN:           | 0000   |

|                        |  |
|------------------------|--|
| Wired Connectivity:    | 3,5mm AUX input jack (limited to 82 dB)<br>Nexus two pin (J22) AUX input jack  |
| Speakers:              | 27 mm diameter 100 Ohm   |
| Microphone:            | 6mm omni directional electret microphone (built in)  |
| Net Weight:            | 352g headband, 346g helmet att. (inc. batteries)   |
| Operating temperature: | -20 °C to +55 °C   |
| Storage Temperature:   | -55 °C to +55 °C   |
| Charging Temperature:  | +40 °C (Maximum environmental temperature)   |
| Certification:         | Bluetooth 2.1<br>PPE 89/686/EEG: CE EN352-1, EN352-4, EN352-6, EN352-8<br>EMC 2004/108/EC<br>R&TTE EN301489-1/-17, EN 300 328<br>Safety EN 60950 |
| In the Box:            | 1 x Headset (Black)<br>1 x Charger<br>2 x Rechargeable batteries<br>1 x User Instruction<br>1 x 3,5mm cable<br>1 x Quick start guide             |
| Inner Packaging:       | Dimensions (mm): 245x153x113 Weight (g): 800<br>Volume (cm <sup>3</sup> ): 4313  |
| Master Packaging:      | Dimensions (mm): 792x234x260 Weight (g): 8422<br>Units: 10   |

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## Attenuation

### MT16H21FWS5\*\*580SV

| Frequency (Hz)                             | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|--|------|------|------|------|------|------|------|------|
| Mean attenuation (dB)                      | 15.1 | 11.1 | 18.2 | 27.0 | 23.8 | 33.4 | 37.7 | 38.9 |
| Std deviation (dB)                         | 3.8  | 2.6  | 2.3  | 2.2  | 2.1  | 3.6  | 2.2  | 3.3  |
| Assumed Protection Value (d <sub>3</sub> ) | 11.8 | 8.5  | 15.8 | 24.8 | 21.7 | 29.8 | 35.5 | 35.5 |

NRR=20 SNR=26 db H=29 db M=23 db L=19 db

### MT16H21PWS5\*\*580SV

| Frequency (Hz)                             | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|--|------|------|------|------|------|------|------|------|
| Mean attenuation (dB)                      | 11.1 | 11.6 | 16.2 | 20.0 | 24.3 | 29.7 | 34.8 | 33.6 |
| Std deviation (dB)                         | 5.0  | 4.2  | 3.7  | 3.1  | 1.8  | 3.3  | 2.6  | 6.0  |
| Assumed Protection Value (d <sub>3</sub> ) | 6.1  | 7.5  | 12.5 | 16.8 | 22.5 | 26.4 | 32.2 | 27.6 |

SNR=23 db H=27 db M=20 db L=14 db