

ML12S for Phonak micro BTEs

Technical Data



ML12S features

- Classic FM
- Durable
- Automatic Frequency Synchronization (AFS) with WallPilot
- Direct Frequency Synchronization (DFS) with the **inspiro** or any other Phonak FM transmitter
- Intelligent stand-by mode to save power when the transmitter is switched off
- Fully programmable with FM SuccessWare 4.4 or higher

ML12S is the tiny, design-integrated Classic FM receiver for all Phonak micro Behind-the-ear hearing instruments featuring a 13 battery. The hearing care professional can attach or remove an ML12S easily with just one pin.

ML12S for Exélia Art micro, Nios micro, Versáta micro, Certéna micro, Milo micro and Milo Plus micro: together they form a powerful communication solution.



ML12S

Relevant internet pages

Your online comprehensive FM support tool for schools
www.eSchoolDesk.com

Latest set-up tips for FM systems in combination with hearing instruments and Cochlear implants.
www.phonak.com/FM_Configurator

Your online FM knowledge base
www.FMELibrary.com

Your online FM counseling support tool
www.FMCounselWare.com

ML12S for micro BTEs

General data

Type:	Classic FM receiver
Length:	12 mm
Width:	8 mm
Height (connected to HI):	8 mm
Weight:	1.1 g
Operating temperature range:	-10°C - +60°C

HF characteristics

Frequency range:	169.4 - 176 MHz (H-band) 214 - 220 MHz (N-band)
Frequency:	Multi-channel, quartz stabilized
Frequency stability:	Better than +/-10ppm
Modulation:	FM (narrow band)
Antenna:	Ear level FM antenna
Spurious emissions (EMC):	< - 57 dBm ERP
Sensitivity at E = 3mV/m:	SINAD ≥ 15 dB
Selectivity at $\Delta f_{RX} = \pm 125$ kHz:	> 50 dB

Audio characteristics

Audio bandwidth:	100 - 6000 Hz
Distortion (THD):	< 2 % Full quieting FM $f_{mod} = 1$ kHz $\Delta f = 5$ kHz
Audio signal output:	-40 to -70 dBV at $f_{mod} = 1$ kHz $\Delta f = 4$ kHz

Power management

Power supply	Supplied by the HI battery	
Voltage range (extreme)	0.9 to 1.6 V	
Current drain:	Active mode	< 3 mA
	Sleep mode	< 510 μ A

Standards

Radiocom:	EN 300.422
EMC:	EN 301.489
	CFR 47, part 15B