

## PRODUCT DATA SHEET



**PRODUCT** LINE: TOP LINE PRO  
**MODEL:** OPERA BINAURAL NOISE CANCELLING  
**PART NUMBER:** 01500-1030-00 (WITHOUT LINE BUSY LED INDICATOR)  
 01500-1040-00 (WITH LINE BUSE LED INDICATOR)

### FEATURES

- Speaker type: Dynamic moving coil
- Microphone: Electret Noise Cancelling
- Wearing style: Adjustable headband
- Connection type: Quick-Link
- Wearable on right or left ear
- Line Busy Orange LED indicator (only for P/N 01500-1040-00)
- Boom style: Flex/Goose-neck
- Comfort aid: Templar support pad  
Spring angle ear control

### ELECTROACOUSTICAL SPECIFICATIONS

#### RECEIVING

- Diameter  $\varnothing$ : 28 mm
- Rated Frequency Range: 200 ÷ 4000 Hz
- Nominal DC Impedance: 150  $\Omega$
- Nominal Impedance @ 1 kHz: 220  $\Omega$
- Sealed Sensitivity @ 1kHz<sup>1</sup>: 24.8 ± 2 dBPa/V
- Sensitivity with Leakage @ 1kHz<sup>2</sup>: 10.0 ± 2 dBPa/V
- Relative (to 1kHz) Frequency Response<sup>3</sup>
- THD @ 1kHz: < 1%
- Max in-band Distortion: < 5%
- Sealed acoustic pressure limit @ 1kHz: 114 ± 3 dB SPL

<sup>1</sup> measured according to IEC – 318 Standard Audio Test

<sup>2</sup> measured according to Altesys subjective RX Audio Standard Test (H&TS, matched R<sub>s</sub>)

#### TRANSMITTING

- Rated Frequency Range: 200 ÷ 4000 Hz
- Directivity: Noise Cancelling
- Noise Cancellation (below 1kHz, far field): 6 dB/octave
- Sensitivity @ 1kHz<sup>4</sup>: -33.0 ± 3 dBV/Pa

<sup>4</sup> measured according to Altesys subjective TX Audio Standard Test

### MECHANICAL SPECIFICATIONS

- Weight (excluding cable): 98 g
- Cord length: 0.8 m, straight
- Connector Quick-Link 4 - poles
  - Insertion cycles: 10.000 minimum
  - Contacts: Copper-beryllium gold plated (12  $\mu$ m)
  - Housing: Ultrasonically sealed ABS
- Operating Temperature: 0 ÷ 50 °C
- Storage Temperature: -25 ÷ 60 °C

### COMPLIANCES

- CE (EMC) and ITU-T Acoustic Safety Recommendations

<sup>3</sup> Frequency Response  
Relative to 1Khz

