


**H10-66XL Aviation Headset**

- Five-Year Warranty – Backed by industry leading customer service
- NSN 5965-01-519-6398

**TECHNICAL DATA**

|  |  |
|--|--|
| <b>Ear coupling</b>                                  | Around-the-Ear (Circumaural)   |
| <b>Hardware</b>                                      | Nickel Chrome Carbon Steel   |
| <b>Dome Type</b>                                     | ABS  |
| <b>Contact Pressure</b>                              | ~2.5 lbs. (11.12 N)  |
| <b>Connector Type</b>                                | 10 Pin Hirose Connector  |
| <b>Connection Cable</b>                              | Coil Cord 15"/72" extended with 7-conductor shielded   |
| <b>Earphone Principle</b>                            | Dynamic (ENC)  |
| <b>Earphone Impedance</b>                            | 150Ω (300Ω each wired in parallel)   |
| <b>Earphone Frequency Response</b>                   | 300Hz – 3000 Hz +/- 3 dB   |
| <b>Earphone Sensitivity (SPL)</b>                    | ~90 dB SPL on flat plate coupler (1 KHz, 1 mW) @ maximum volume nominal  |
| <b>Earphone Total Harmonic Distortion (THD)</b>      | < 2% - 110 dB SPL (300 - 3,000 Hz)   |
| <b>Certified NRR (3<sup>rd</sup> Party)</b>          | Passive noise attenuation rating of 27 dB  |
| <b>Microphone Principle</b>                          | Dynamic or Amplified   |
| <b>Microphone Impedance</b>                          | 5Ω +/-1Ω / 50Ω nom (switchable)  |
| <b>Microphone Sensitivity at Ground Level</b>        | 50 - 107μV across 5Ω load at 1KHz with input of 103 dB SPL at 1/4" from source or 400mV +/- 6 dB into 150Ω load @ 1KHz for 114dB SPL Input |
| <b>Microphone Sensitivity at 25,000 feet</b>         | 78 - 106μV across 5Ω load at 1KHz with input of 103 dB SPL at 1/4" from source or 400mV +/- 6 dB into 150Ω load @ 1KHz for 114dB SPL Input |
| <b>Microphone Frequency Response at Ground Level</b> | 200 Hz - 6,000 Hz +/- 6 dB of ground level response  |
| <b>Microphone Frequency Response at 25,000 feet</b>  | 200 Hz - 6,000 Hz +/- 3 dB   |
| <b>Microphone Ambient Noise Level</b>                | For use in noise levels up to 120 dB SPL   |
| <b>Microphone Total Harmonic Distortion (THD)</b>    | < 6% at 114 dB SPL through 200 Hz – 6 KHz  |
| <b>Operating Voltage</b>                             | 9 VDC (Alkaline 9 Volts), 1 Watt Maximum   |
| <b>Battery Life</b>                                  | Up to 25 hours (Alkaline 9 Volts)  |
| <b>Headset Operating Temperature</b>                 | -20°C to +55°C   |
| <b>Headset Storage temperature</b>                   | -40°C to +70°C   |
| <b>Weight/Headset only</b>                           | ~19 oz. (538 g)  |

**FEATURES AND BENEFITS**

- Passive Noise-Attenuating and Electronic Noise-Cancelling Air Crew and Ground Crew Headsets for the U.S. Armed Forces, NATO and most airborne command centers
- Headset Model Number H10-66XL is designed to provide clear, reliable, mission-critical communications. The headset is built to withstand the rigors of the military aircraft cockpit, while providing maximum comfort and performance to ensure the safety of military aviators
- DC-87 dynamic noise-cancelling microphone MIL-PRF-26542F (USAF Specifications)
- Undercut, comfort-gel ear seals provide unsurpassed comfort and enhanced noise-attenuation
- Super-soft head pad for added comfort
- Switchable Hi/Lo impedance mic
- Hybrid hinged wire/flex mic boom, 280° rotational for perfect microphone positioning
- Single volume control
- Allows use of standard-issue oxygen/bio-chemical mask with microphone