

DATASHEET

SKU: 07842B4

Benelec BWI900 Ultralight Headset



MICROPHONE SPECIFICATIONS

Electrical Characteristic	Noise Cancelling
Sensitivity	-47 ± 4 dB (Odb=1 V.Pa, 1 KHz), $R_L=2.2$ k Ω , $V_{cc}=2.0$ V.
Impedance	≤ 2.2 k Ω at 1 kHz
Input Sound Level	Max. 100 dB S.P.L (at 1 kHz, Distortion <3%)
Sensitivity Reduction	Within -3 dB at $V_{cc} = 2.0$ V to 1.5 V

SPEAKER SPECIFICATIONS

Weight	1.3 g \pm 5%
Impedance	8 Ω \pm 15%
Resonance Frequency	1.2 kHz \pm 20%
Power Rating	Nom. 0.5 W / Max 0.7 W
Sensitivity	83 dB \pm 3 dB
Frequency Range	Fo – 20 kHz
Polarity	When a positive DC current is applied to the terminal marked (+), diaphragm shall move forward
Temperature Rating	-25 $^{\circ}$ C to +70 $^{\circ}$ C \pm 2 $^{\circ}$ C
Humidity Resistance	Temperature: +65 $^{\circ}$ C \pm 2 $^{\circ}$ C Humidity: 90 % - 95 % R.H

PACKAGING

Cyan PVC bag, one antenna per bag

WARRANTY

3 years (Please refer to [Benelec Terms & Conditions](#))