



## UM60 PP BTE

Linear, High Power  
Push-Pull, Broadband, Extended Low Frequencies

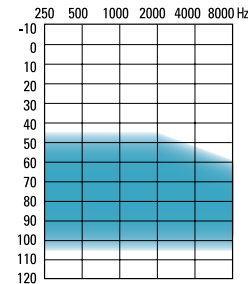
### HEARING AID FEATURES

- Powerful Push-Pull amplifier
- Powerful Telecoil
- Gain independent of Maximum Power Output
- Surface Mount Technology
- Two controls provide fitting flexibility:  
T - Active Low-cut Tone  
P - Power Control
- Controls continuously adjustable with end stops
- Extended Range Active Tone Control
- Volume Control numbered: 1 (low) to 4 (high)
- M-T-O Switch: 3 positions Microphone–Telecoil–Off
- Slim mini-housing
- Unfiltered Earhook
- Battery size: 13
- Fitting is supported by NOAH-compatible Unifit or Standalone Unifit

### OPTIONS

- Direct Audio Input
- CROS/BiCROS
- Filtered earhook
- Child-sized earhook
- Brown or gray housing

### SUITABLE FOR FITTING MODERATELY SEVERE TO SEVERE HEARING LOSSES



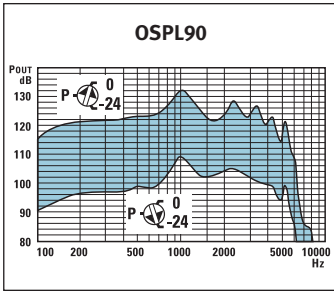
Fitting Guide

### ANSI S3.22-1996 TECHNICAL DATA

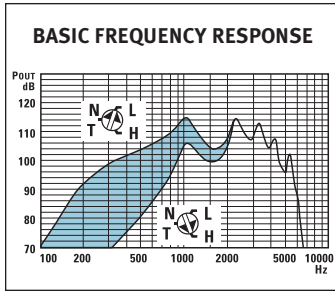
|  |             |        |
|--|-------------|--------|
| Frequency Range                                | 180-6200 Hz |        |
| P (Power) Control Setting                      | -24         | 0      |
| Peak Gain                                      | 61 dB*      | 68 dB  |
| Peak Output                                    | 110 dB      | 134 dB |
| Reference Test Gain                            | 50 dB       |        |
| HF Average Gain                                | 57 dB*      | 60 dB  |
| HF Average OSPL90                              | 105 dB      | 127 dB |
| Typical Battery Life<br>(Zinc Air Premium)     | 480 h       | 320 h  |
| Current Drain at RTP                           | 0.6 mA      | 0.9 mA |
| Telephone Magnetic Field Simulator             |             |        |
| HFA SPLITS                                     | 99 dB       |        |
| STS SPLITS                                     | -11 dB      |        |
| Equivalent Input Noise at RTP<br>typical 21 dB | 25 dB       |        |
| Total Harmonic Distortion at RTP               |             |        |
| 500 Hz   | typical 6%  | < 10%  |
| 800 Hz   | typical 2%  | < 8%   |
| 1600 Hz  | typical 3%  | < 8%   |

\*At P=-24, reduced input level was used to avoid saturation.

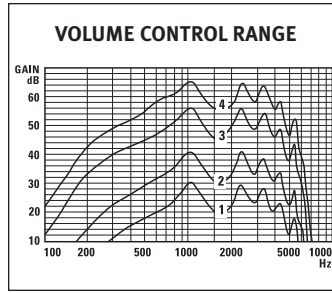
# UM60 PP BTE ANSI SPECIFICATIONS



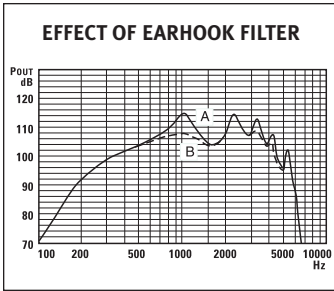
Input sound pressure level: 90 dB  
Volume Control: full on  
T: L



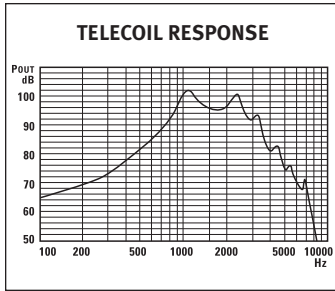
Input sound pressure level: 60 dB  
Volume Control: RTP  
P: O



Input sound pressure level: 50 dB  
Volume Control: as shown  
T: L P: O



Input sound pressure level: 60 dB  
Volume Control: RTP  
'A' unfiltered, standard  
'B' filtered, optional



Input: 31.6 mA/m  
Volume Control: RTP  
T: L P: O

## TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 3  
BATTERY: 13 Zinc Air Premium  
SOURCE: Voltage 1.3 V  
Impedance 6 Ohms  
EARHOOK: Unfiltered  
TUBING: Length 25 mm,  
Inside Diameter 1.93 mm  
Refer to: "Summary of Test  
Conditions and Limits"  
for more details.

**AID MARKING:** UM60-PP

## COMPLIANCE

Our products are designed to meet all of the limits required when tested in accordance with the applicable standard.

## REFERENCES

ASA: Acoustical Society of America,  
ANSI S3.22-1996  
FDA: Food and Drug Administration,  
Part 801

We reserve the right to change specification data without notice as improvements are introduced.

This product is manufactured under the protection of U.S. Patent #4349082 & #5204917.

Caution: Hearing aids and batteries can be harmful if swallowed or improperly used.



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