



## US 80 PPL BTE

**Super Power, Push-Pull, Linear/Output Compression  
Extended Low-Frequency Emphasis**

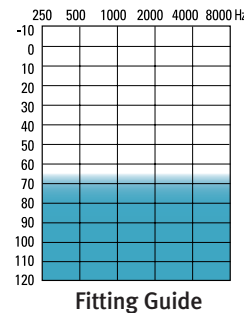
### HEARING AID FEATURES

- Four controls provide full fitting flexibility:
  - L - Low-cut Tone
  - H - Active High-cut
  - G - Gain
  - P - Power
- Controls continuously adjustable with end stops
- Extended low-frequency hearing loss and left corner audiograms
- Adjustable Gain control provides high to super power gain
- Powerful CI receiver for more distortion-free power
- Advanced AVM™ microphone with lower sensitivity to vibration helps reduce feedback problems
- Powerful Push-Pull amplifier
- Powerful telecoil
- Gain independent of Maximum Power Output
- Surface mount technology
- Volume Control: numbered 1 (low) to 4 (high)
- M-T-O Switch: 3 positions Microphone–Telecoil–Off
- Direct Audio Input - MLx compatible
- Two-tone, beige/taupe housing
- Unfiltered earhook
- Battery size: 675
- Fitting is supported by NOAH-compatible Unifit or Standalone Unifit

### OPTIONS

- M-MT-O Switch: 3 positions Microphone–Microphone/Telecoil–Off
- Tamper-resistant battery compartment/Volume Control cover
- CROS/BiCROS
- Filtered earhook
- Child-sized earhook
- Taupe, gray/taupe, brown/taupe housings

### SUITABLE FOR FITTING SEVERE TO PROFOUND HEARING LOSSES



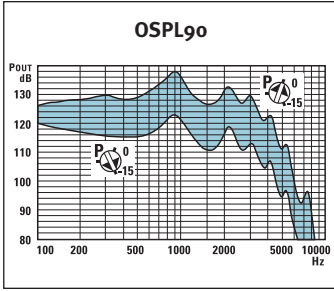
Can fit audiogram configurations including left corner.

### ANSI S3.22-1996 TECHNICAL DATA

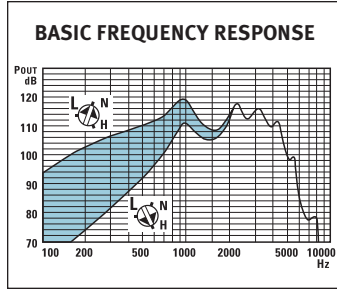
Frequency Range	90-5700 Hz	
P (Power) Control Setting	-15	0
Peak Gain	73 dB*	80 dB
Peak Output	125 dB	140 dB
Reference Test Gain	39 dB	54 dB
HF Average Gain (50 dB in)	63 dB*	72 dB
HF Average OSPL90	116 dB	131 dB
Typical Battery Life (Zinc Air Premium)	220 h	70 h
Current Drain at RTP	2.5 mA	8.0 mA
Telephone Magnetic Field Simulator		
HFA SPLITS	106 dB	
STS SPLITS	-8.0 dB	
Equivalent Input Noise at RTP typical 22 dB	< 25 dB	
Total Harmonic Distortion at RTP		
500 Hz	typical 5%	< 8%
800 Hz	typical 2%	< 5%
1600 Hz	typical 2%	< 5%
(Data applicable at P=-15)		
Attack Time	< 15 ms	
Release Time	95 ms	
Compression Ratio	> 20:1	

\*At P=-15, reduced input level was used to avoid saturation.

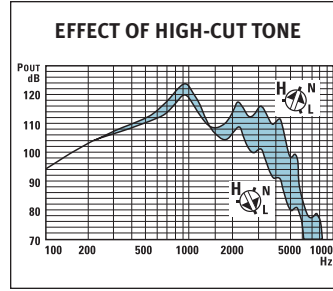
# US 80 PPL BTE ANSI SPECIFICATIONS



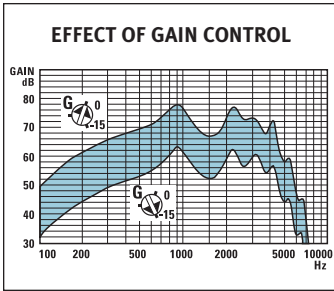
Input sound pressure level: 90 dB  
Volume Control: full on  
L: N H: N G: 0



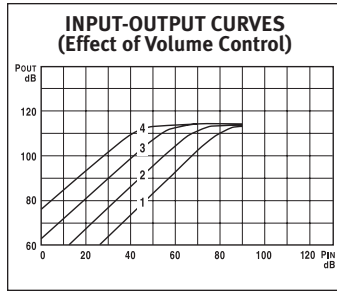
Input sound pressure level: 60 dB  
Volume Control: RTP  
H: N P: 0 G: 0



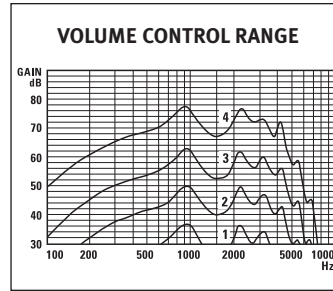
Input sound pressure level: 60 dB  
Volume Control: RTP  
L: N P: 0 G: 0



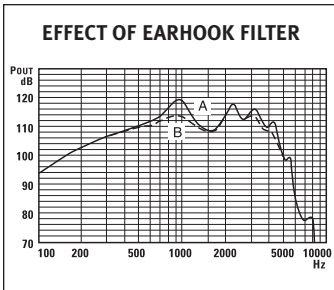
Input sound pressure level: 50 dB  
Volume Control: full on  
L: N H: N P: 0



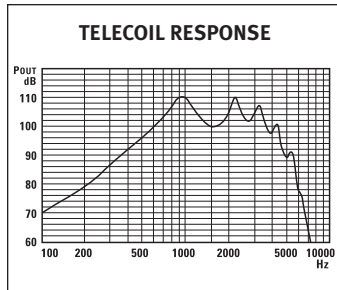
Input at 2000 Hz  
Volume Control: as shown  
L: N H: N P: -15 G: 0



Input sound pressure level: 50 dB  
Volume Control: as shown  
L: N H: N P: 0 G: 0



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



Input: 31.6 mA/m  
Volume Control: RTP  
L: N H: N P: 0 G: 0

## TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 2.5  
BATTERY: 675 Zinc Air Premium  
SOURCE: Voltage 1.3 V  
Impedance 3.5 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:** US 80 PPL

## 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.

Sound pressure level of this hearing aid exceeds 132 dB SPL.



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