



## UE12 PPL BTE

Linear

High Power, Push-Pull, Extended Low Frequencies

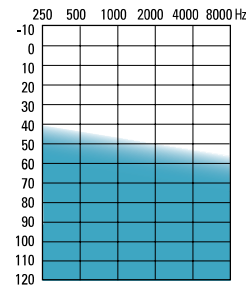
### HEARING AID FEATURES

- Powerful push-pull amplifier
- Three controls provide full fitting flexibility:
  - P - Power Control
  - G - Gain
  - T - Low-cut Tone
- Controls continuously adjustable with end stops
- Powerful telecoil
- Adjustable gain control provides moderate to high gain
- 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
- Unfiltered earhook
- Battery size: 675
- Fitting is supported by NOAH-compatible Unifit™ or Standalone Unifit™

### OPTIONS

- Direct Audio Input
- CROS/BiCROS
- Filtered earhook
- Child-sized earhook

**SUITABLE FOR FITTING MODERATE TO SEVERE/PROFOUND HEARING LOSSES INCLUDING LEFT CORNER AUDIOGRAMS**



Fitting Guide

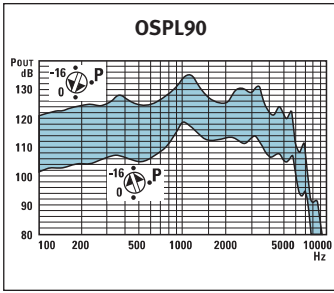


### ANSI S3.22-1996 TECHNICAL DATA

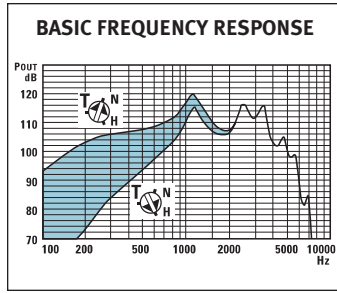
Frequency Range	100-5800 Hz	
P (Power) Control Setting	-16	0
Peak Gain	75 dB*	77 dB
Peak Output	120 dB	136 dB
Reference Test Gain	54 dB	
HF Average Gain 50 dB in	67 dB*	69 dB
HF Average OSPL <sub>90</sub>	114 dB	131 dB
Typical Battery Life (Zinc Air Premium)	375 h	275 h
Current Drain at RTP	1.6 mA	2.2 mA
Telephone Magnetic Field Simulator		
HFA SPLITS	102 dB	
STS SPLITS	-12 dB	
Equivalent Input Noise at RTP typical 22 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 = -16, reduced input level was used to avoid saturation.

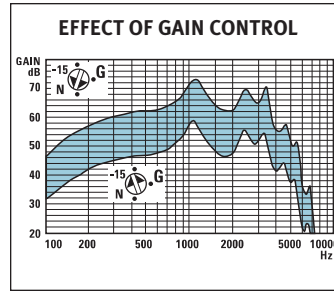
# UE12 PPL BTE ANSI SPECIFICATIONS



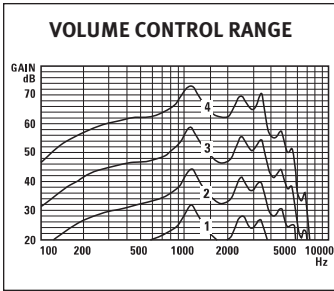
Input sound pressure level: 90 dB  
Volume Control: full on  
**T: N G: N**



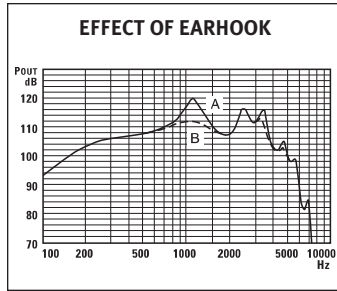
Input sound pressure level: 60 dB  
Volume Control: RTP  
**G: N P: 0**



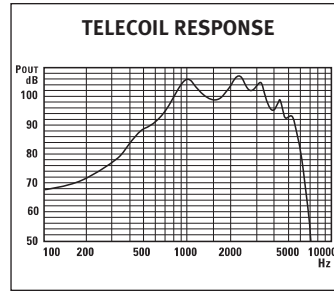
Input sound pressure level: 50 dB  
Volume Control: full on  
**T: N P: 0**



Input sound pressure level: 50 dB  
Volume Control: as shown  
**T: N G: N P: 0**



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



Input: 31.6 mA/m  
Volume Control: RTP  
**T: N G: N P: 0**

## TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 3  
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: UE12-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.

Caution: The sound pressure level of this hearing aid exceeds 132 dB SPL.



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