

# jam SHD

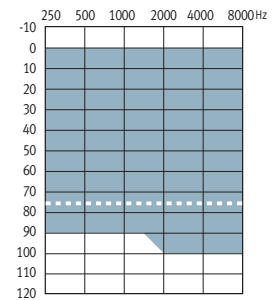
## S13 Hearing System Series



S13

Functionalities	9	7	5	3
<b>Detection</b>				
SurroundSupervisor SHD	•	•	•	•
<b>Localization and Focus</b>				
SphereSound SHD Dynamic	•			
SpeechBeam SHD-3	•			
SphereSound SHD Personalized	•	•		
SpeechBeam SHD-2		•		
SphereSound SHD Static	•	•	•	
SpeechBeam SHD-1			•	
<b>Automatic Program</b>				
Music	•	•		
Noise	•	•	•	
Conversations in a small group	•	•	•	
Conversations in a crowd	•	•	•	
Conversations in noise	•	•	•	•
Conversations in quiet	•	•	•	•
Quiet	•	•	•	•
AutoSurround SHD	7	7	6	3
<b>Optimization and Comfort</b>				
SurroundOptimizer SHD	•	•	•	•
AcclimatizationManager	•	•	•	•
ConversationLift+	•	•	•	Speech Lift
NoiseReduction	•	•	•	•
FeedbackManager	•	•	•	•
Sound Impulse Manager SHD	•	•	•	•
Active Wind Block	•	•	•	•
SoundRestore	•	•	•	•
DataLogging	•	•	•	•
Tinnitus Manager	•	•	•	•
PhoneConnect	•	•	•	•
BiLink	•	•	•	•
BiPhone	•	•	•	•
Bluetooth (accessory needed)	•	•	•	•
<b>Channels and Programs</b>				
Channels (G/AGC)	20	16	12	8
No. of programs (AutoSurround SHD/Manual/Wireless)	7/3/3	7/3/3	6/3/3	3/3/3
<b>In all technology levels</b>				
Telecoil, Audio input, RCV2, uStream, uDirect3, uTV3, uMic2				
<b>Class</b>		<b>P</b>		
Peak output / gain 2cc earhook		131/63		
Peak output / gain 2cc slim tube		123/55		
Battery size		13		

### Fitting guide



--- Slim tube (power dome)

jam SHD S13 is rated IP 68



0124



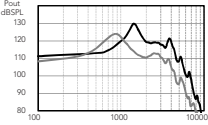
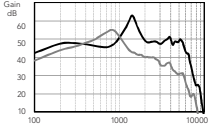
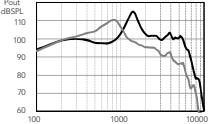
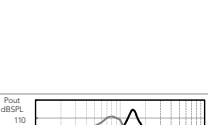
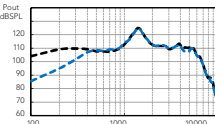
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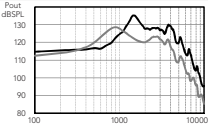
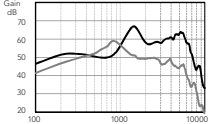
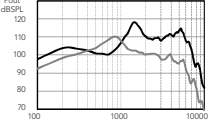

Slim Tube  
(Standard)

Earhook  
(optional)

### ANSI 3.22 2014/IEC 60118-7 2005 2cc coupler technical data

	Slim Tube (Standard)	Earhook (optional)
Reference test frequency - IEC 60118-7 (kHz)	1.6	1.6
 OSPL <sub>90</sub> Maximum (dB SPL) HFA - OSPL <sub>90</sub> (dB SPL) at RTF (dB SPL)	123	131
	116	122
	112	127
	Full on gain (input 50 dB SPL)	
 Maximum (dB) HFA - FOG (dB) at RTF (dB)	55	63
	45	52
	41	57
 Reference test setting (RTS) Frequency range (Hz) Reference test gain (dB) Current drain at RTS (mA) Typical battery life (h) Equivalent input noise at RTS (dB SPL) Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	<100-6500	<100-7300
	39	45
	1.2	1.2
	260	260
	19	19
	2.0/1.5/1.0	3.0/2.0/1.5
	 Induction coil sensitivity (31.6 mA/m) HFA SPLITS/STS-RSETS (dB SPL/dB)	99/0
 Standard: mic at 70 dB SPL vs induction coil at 100 mA/m - - Mic - - Induction Coil		
Electromagnetic compatibility		
EMC immunity by ANSI C63.19-2011 EMC, omni/telecoil	M4/T4	M4/T4

### IEC 60118-o OES coupler technical data

	Slim Tube (Standard)	Earhook (optional)
Reference test frequency - IEC 60118-o (kHz)	1.6	1.6
 OSPL <sub>90</sub> Maximum (dB SPL) at RTF (dB SPL)	128	134
	120	134
	Full on gain (input 50 dB SPL)	
 Maximum (dB) at RTF (dB)	59	67
	48	64
 Basic frequency response Frequency range (DIN 45605) (Hz) Reference test gain (dB) Current drain at RTG (mA) Typical battery life (h) Equivalent input noise at RTG (dB SPL) Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	< 100-6500	<770-7200
	41	57
	1.2	1.2
	260	260
	19	19
	2.0/1.0/1.5	4.0/2.0/1.5
 Induction coil sensitivity at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	101	117
	Electromagnetic compatibility	
EMC immunity by IEC 60118-13, 2011 field strength 90/50/35 V/m, omni. IRIL low/medium/high band (dB SPL)	27/27/31	27/27/31

### Legend

— Earhook  
— Slim tube

### Test conditions

Battery size: 13; Source: voltage 1.3 V; Tubing: length 25 mm, inside diameter 1.93 mm  
 The hearing system is set to HANSATON scout test settings. LLE (Low Level Expansion) is applied at an approximate level of 35 dB SPL. Domes should never be fit on patients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals. In the case of such a condition, we recommend use of a customized earmold. Sound pressure level of these hearing aids exceeds 132 dB SPL.  
 We reserve the right to change specification data without notice as improvements are introduced.

