WATER PROOF

HB-54

Specifications

Model HB-54

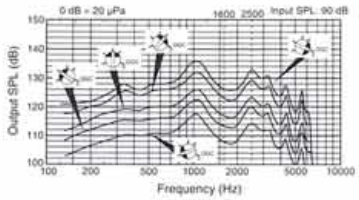
ANSI (According to ANSI Standard S3. 22 1987)

Maximum SSPL90	136 dB
HFA-SSPL90	132 dB
HFA-full-on gain	56 dB
Reference test gain	55 dB
Frequency range	100 Hz to 5000 Hz
Equivalent input noise level	25 dB
Total harmonic distortion	500 Hz: 9%, 800 Hz: 6%, 1600 Hz: 2%
Induction coil sensitivity	113 dB at 10 mA/m
Operating switch	O-T-M
Output limiting control	OGC 18 dB
Tone control	TONE H, TONE L (continuous)
Circuitry	class D
Battery type	PR-48
Supply voltage	1.3 V
Battery current	0.9 mA
Battery life	250 h
Dimensions	4.6×1.4×0.95 cm
Weight (excluding battery)	5.7 g

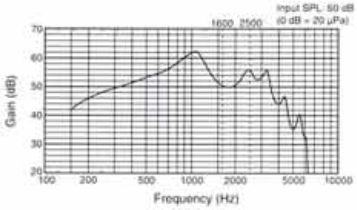
IEC (According to IEC Standard Pub. 118-0 1983)

Reference test frequency		1600 Hz
$OSPL_{90}$		133 dB
	500 Hz	129 dB
	Peak	138 dB
Full-on acoustic gain		57 dB
Equivalent input noise level		28 dB
Total harmonic distortion		500 Hz: 10%, 800 Hz: 10%, 1600 Hz: 3%
Induction coil sensitivity		91 dB at 1 mA/m
Operating switch		O-T-M
Output limiting control		OGC 18 dB
Tone control		TONE H, TONE L (continuous)
Circuitry		class D
Battery type		PR-48
Supply voltage		1.3 V
Battery current		0.75 mA
Battery life		300 h
Dimensions		4.6×1.4×0.95 cm
Weight (excluding battery)		5.7 g

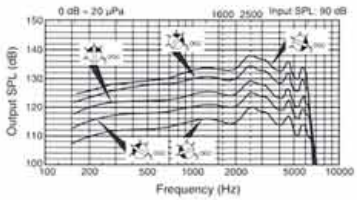
SSPL90 curve and effect of output limiting control



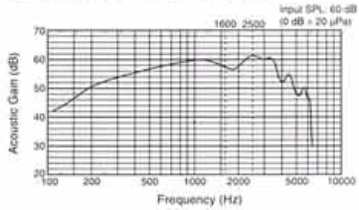
Full-on gain curve



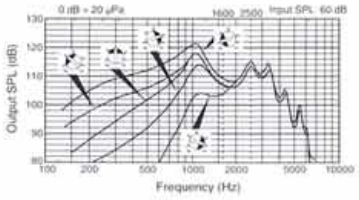
$OSPL_{90}$ curve and effect of output limiting control



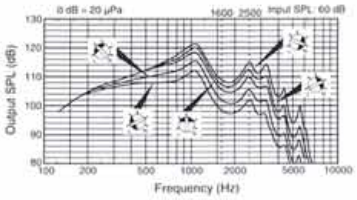
Full-on acoustic gain frequency response curve



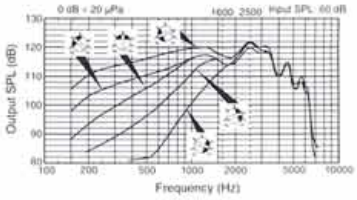
Frequency response curve and effect of tone control (TONE H)



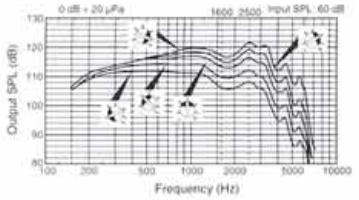
Frequency response curve and effect of tone control (TONE L)



Basic frequency response curve and effect of tone control (TONE H)



Basic frequency response curve and effect of tone control (TONE L)



Specifications subject to change without notice.

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