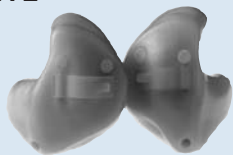


ACURIS™

Technical Information for Custom Hearing Instruments

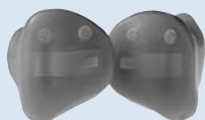
ITE



MC



ITC/HS



Micro-CIC



Premium Features

- Programmable custom instruments with e2e wireless™
- Optimized solution for binaural fitting
- Monaural device with upgrade possibility to a binaural system, e2e wireless standard
- For mild to moderate hearing loss
- Binaural volume control and program selection with e2e wireless
- High performance directional microphone, automatic and multi-channel adaptive operation (ITE and ITC/HS)
- High speed automatic feedback cancellation
- Automatic situation detection including music detection
- Adaptive noise reduction and adaptive speech enhancement
- Up to four individual hearing programs for microphone and/or telecoil mode
- Professional and efficient fitting with new workflow oriented CONNEXX™ software

Amplifier

- Fully digital 16-channel amplifier with e2e wireless functionality

Standard Features

- e2e wireless
- Audible signal indicators (beeps) for low battery voltage
- Power on delay

Options

- High performance directional microphone system (ITE and ITC/HS)
- Volume control, with optional audible signal indicators for volume changes and volume limits (VC on Micro-CIC only with ePocket™)
- Programmable Telecoil and Switchless Telecoil (except Micro-CIC)
- Programmable ON/OFF function for push button
- Push button for program selection with alerting tones for program change
- Wax guard option and various venting types
- Fourth program with Switchless™ Telecoil (ITE and ITC/HS)

Accessories

- ePocket™ bi-directional remote control with read out function; clip and cover included
- Vent inserts and cleaning tools

Type	ITE		ITC/HS		MC	Micro-CIC	
Matrix	120/50	123/55	115/40	120/45	115/40	110/35	115/40
Options						Only with ePocket	Only with ePocket
VC	Yes	Yes	Yes	Yes	Yes		
Programs	3**	3**	3**	3**	3	3	3
Telecoil/Switchless Telecoil	Yes	Yes	Yes	Yes	Yes	–	–
Directional Microphone System	Yes	Yes	Yes	Yes	–	–	–
AI-DI*	5.1				–	–	–
Ear simulator IEC 118-0							
Peak (dB)	131 dB/	134 dB/	125 dB/	130 dB/	125 dB/	121 dB/	125 dB/
OSPL 90/FOG	60 dB	65 dB	50 dB	55 dB	50 dB	45 dB	50 dB
RTF 2.5 kHz (dB)	129 dB/	133 dB/	123 dB/	129 dB/	123 dB/	119 dB/	123 dB/
OSPL 90/FOG	57 dB	63 dB	48 dB	53 dB	48 dB	43 dB	47 dB
2 ccm coupler IEC 118-7							
Peak (dB)	120 dB/	123 dB/	115 dB/	120 dB/	115 dB/	110 dB/	115 dB/
OSPL 90/FOG	50 dB	55 dB	40 dB	45 dB	40 dB	35 dB	40 dB
Current (mA)	0.9 mA	0.9 mA	0.8 mA	0.9 mA	0.8 mA	0.7 mA	0.8 mA
2 ccm coupler ANSI S3.22-1996							
Average Gain	116 dB/	118 dB/	111 dB/	116 dB/	111 dB/	106 dB/	110 dB/
OSPL 90/FOG	43 dB	46 dB	33 dB	37 dB	34 dB	28 dB	32 dB
Current (mA)	0.9 mA	0.9 mA	0.9 mA	0.9 mA	0.9 mA	0.8 mA	0.9 mA
Battery							
Battery type	312	312	312	312	10	10	10
Battery life (h)	~140 h	~140 h	~140 h	~140 h	~70 h	~80 h	~70 h

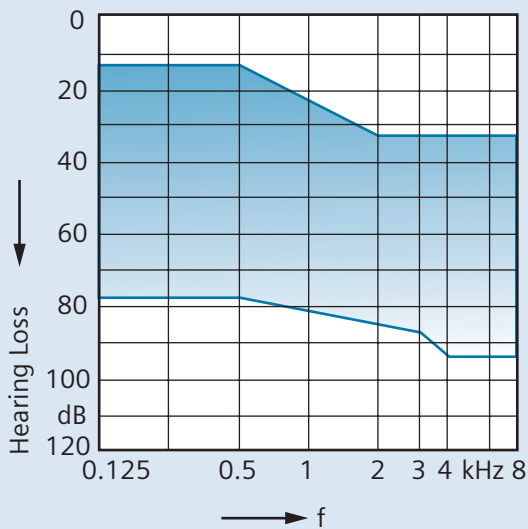
Technical Information for e2e wireless function: Operating frequencies: $f_{low} = 115 \text{ kHz}$, $f_{high} = 120\text{kHz}$; Rated H-field strength (maximum): -11.5 dBuA/m at 3 meters.

*AI-DI AI = Articulation index DI = Weighted directivity index

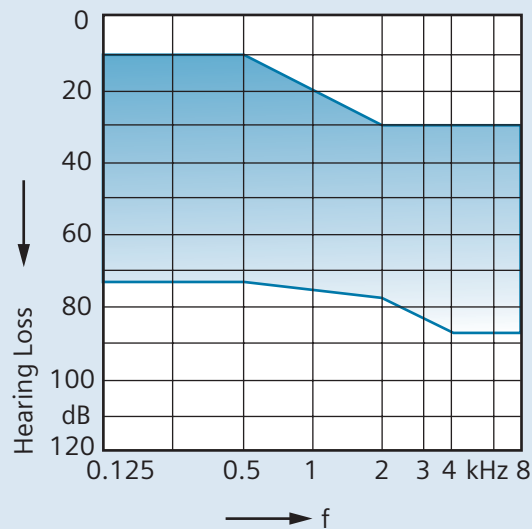
Measure instructions: Instrument in linear setting. Input signal: Sinus Burst; Frequency: 2500 Hz; Low Level: 33 dB; High Level: 60 dB; Interval: 250 ms; On; Time: 125 ms

** Fourth program available with Switchless Telecoil

Fitting Range ITE 123/55

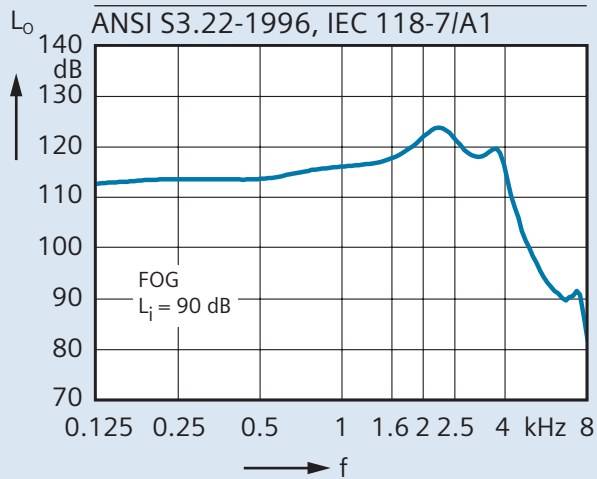


Fitting Range ITE 120/50



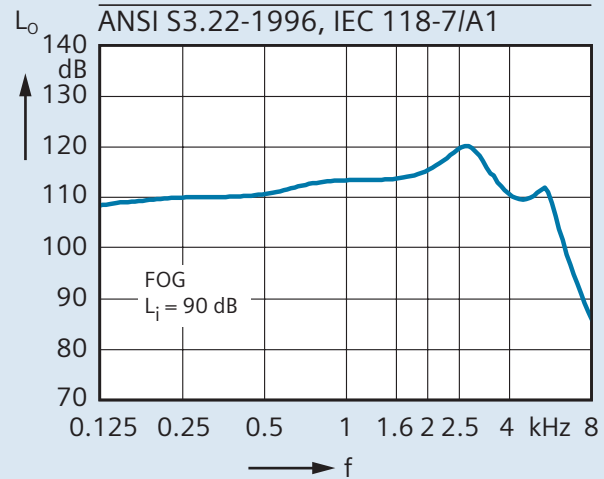
**Output Sound Pressure Level/
OSPL 90 ITE 123/55**

ANSI S3.22-1996, IEC 118-7/A1



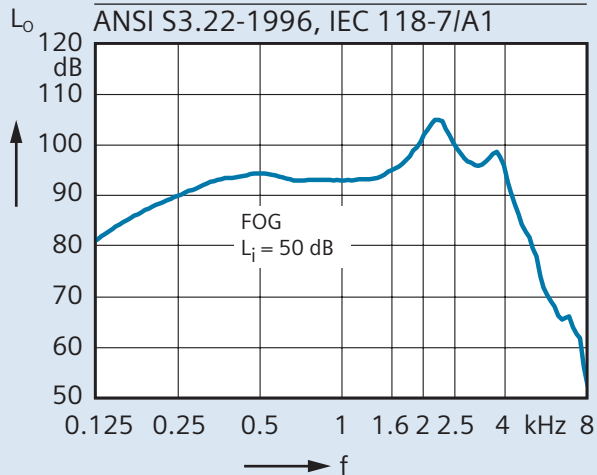
**Output Sound Pressure Level/
OSPL 90 ITE 120/50**

ANSI S3.22-1996, IEC 118-7/A1



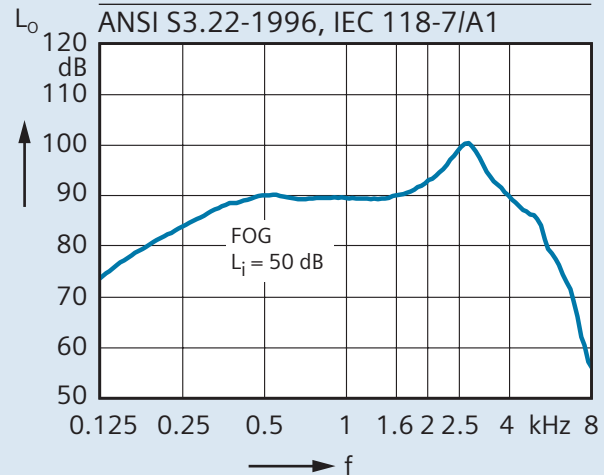
Maximum Gain ITE 123-55

ANSI S3.22-1996, IEC 118-7/A1

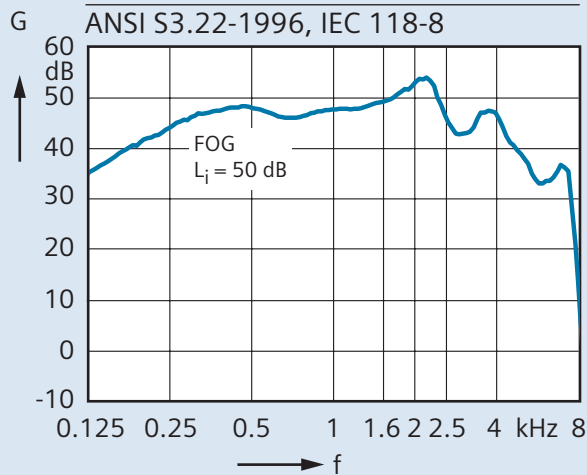


Maximum Gain ITE 120/50

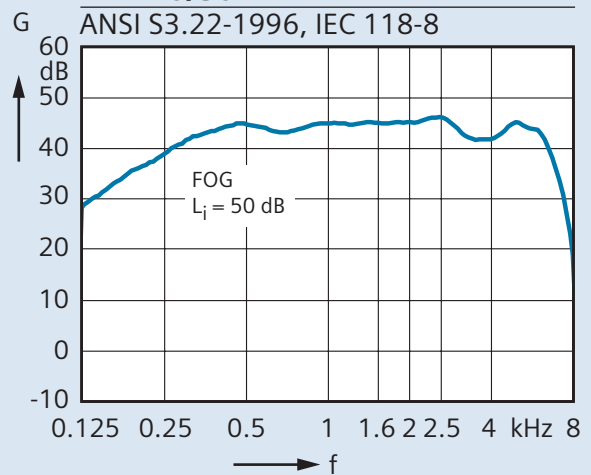
ANSI S3.22-1996, IEC 118-7/A1



**Maximum Effective Gain
ITE 123/55**

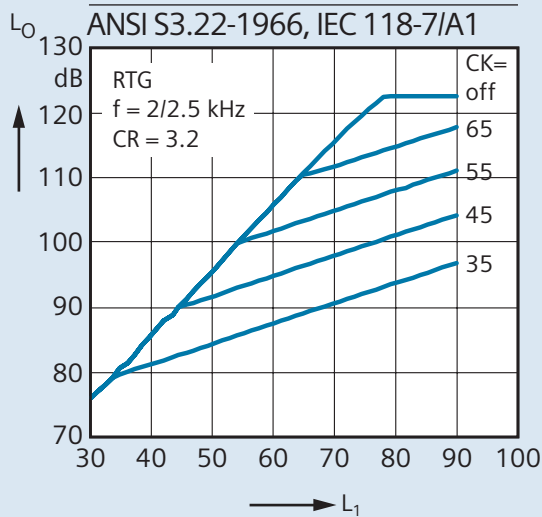


**Maximum Effective Gain
ITE 120/50**

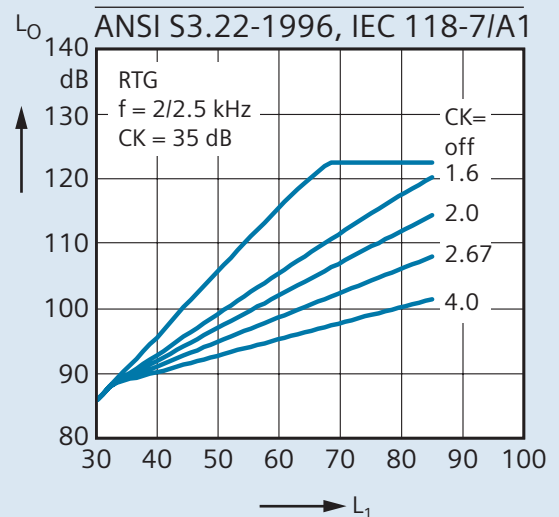


Compression

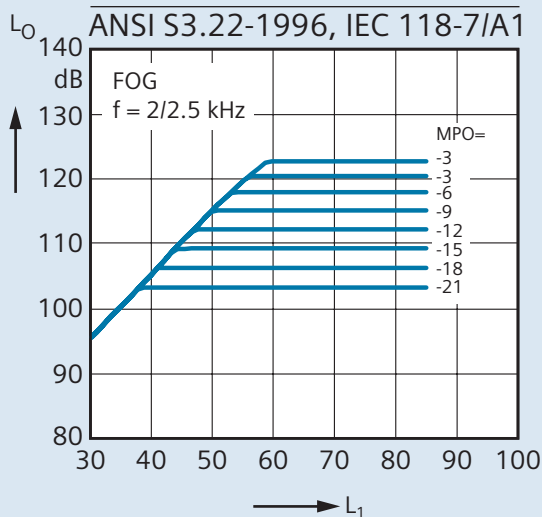
**AGC-I Effect of CK-Control
ITE 123/55**



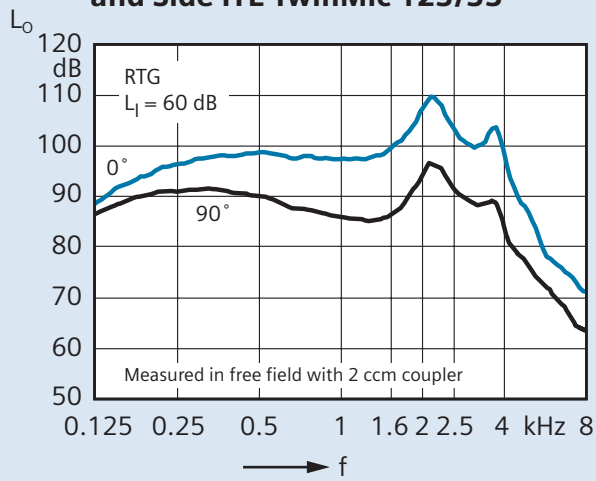
**AGC-I Effect of CR-Control
ITE 123/55**



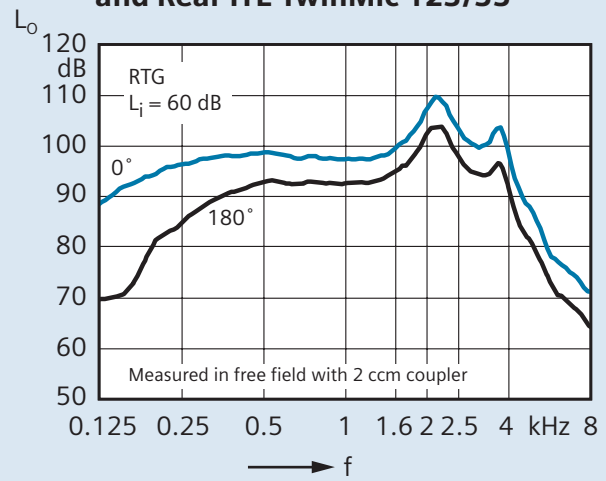
**AGC-O Effect of MPO-Control
ITE 123/55**



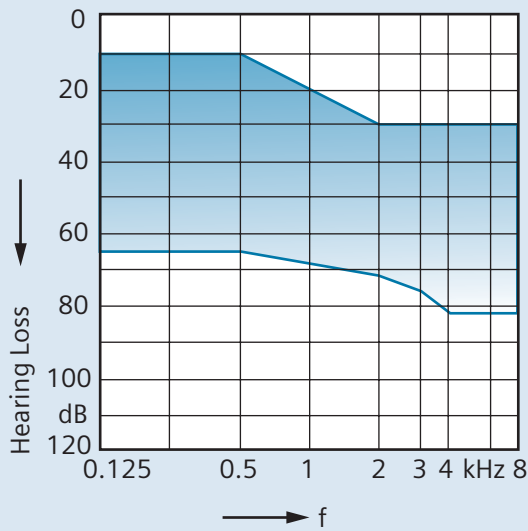
Frequency Response from Front and Side ITE TwinMic 123/55



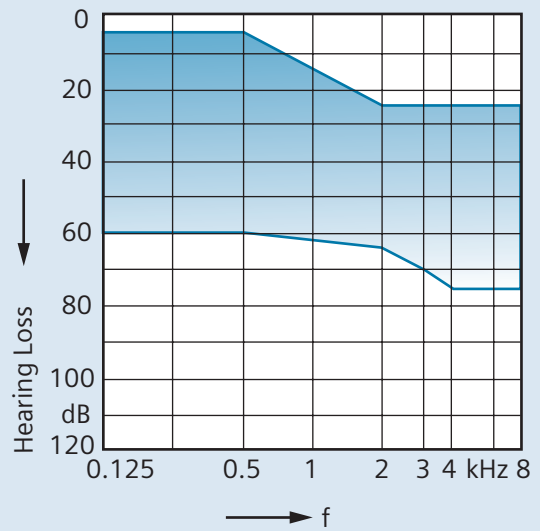
Frequency Response from Front and Rear ITE TwinMic 123/55



Fitting Range ITC/HS 120/45

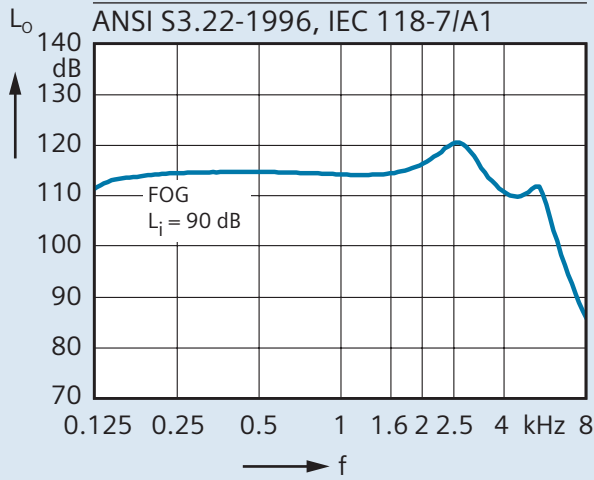


Fitting Range ITC/HS 115/40



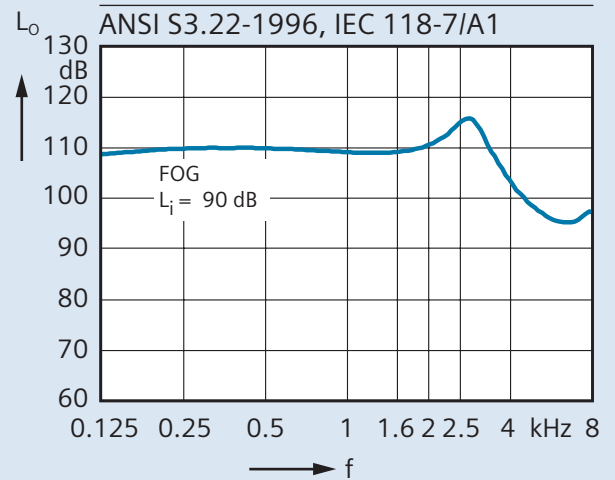
**Output Sound Pressure Level/
OSPL 90 ITC/HS 120/45**

ANSI S3.22-1996, IEC 118-7/A1



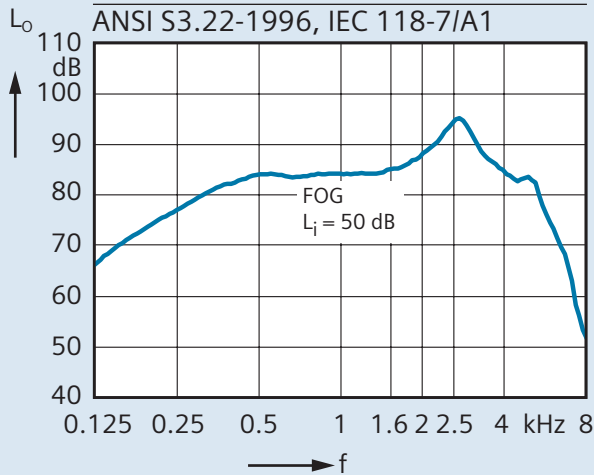
**Output Sound Pressure Level/
OSPL 90 ITC/HS 115/40**

ANSI S3.22-1996, IEC 118-7/A1



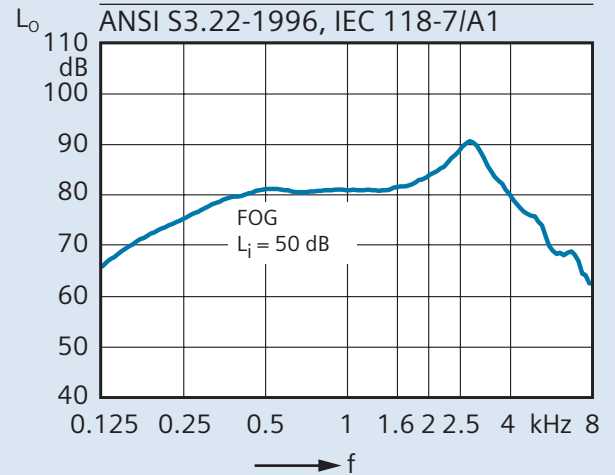
Maximum Gain ITC/HS 120/45

ANSI S3.22-1996, IEC 118-7/A1



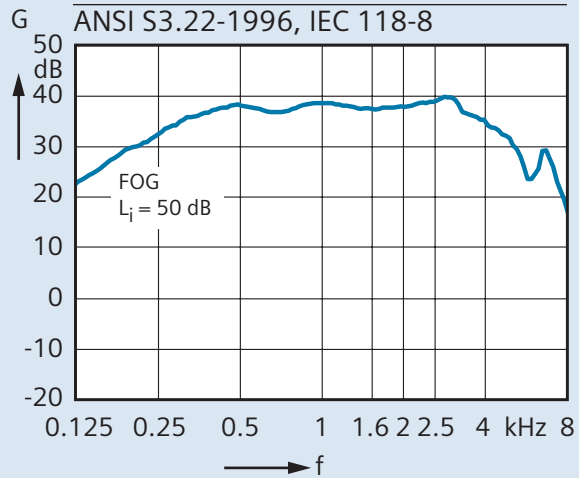
Maximum Gain ITC/HS 115/40

ANSI S3.22-1996, IEC 118-7/A1



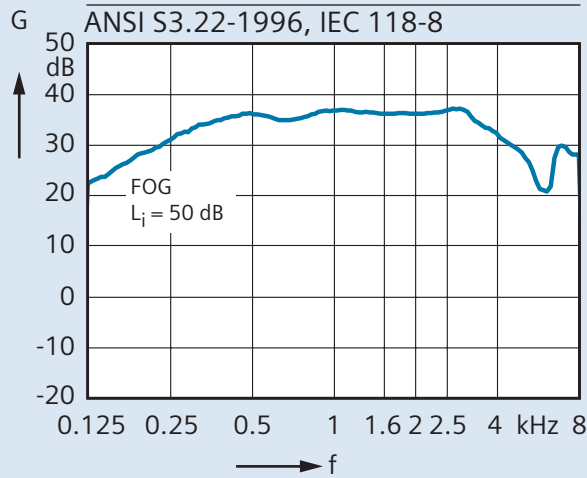
**Maximum Effective Gain
ITC/HS 120/45**

ANSI S3.22-1996, IEC 118-8

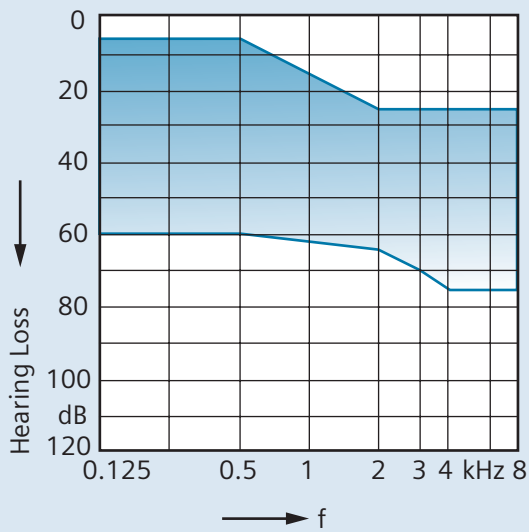


**Maximum Effective Gain
ITC/HS 115/40**

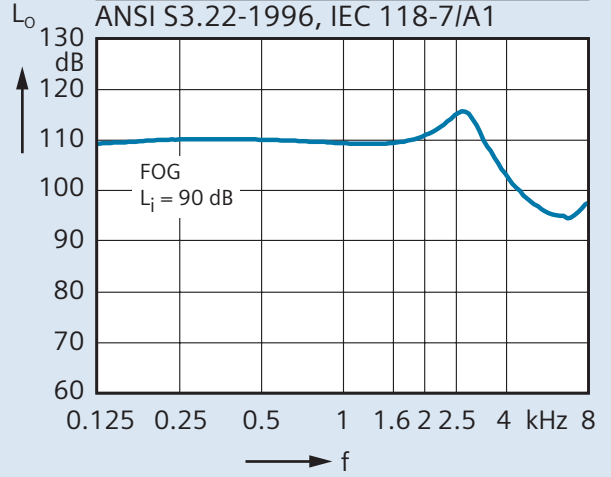
ANSI S3.22-1996, IEC 118-8



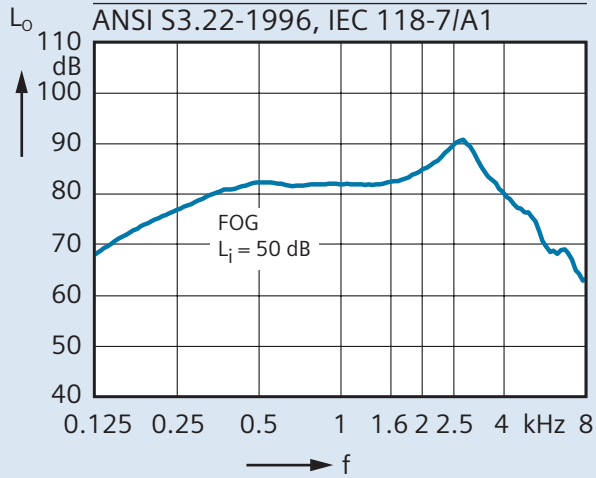
Fitting Range MC 115/40



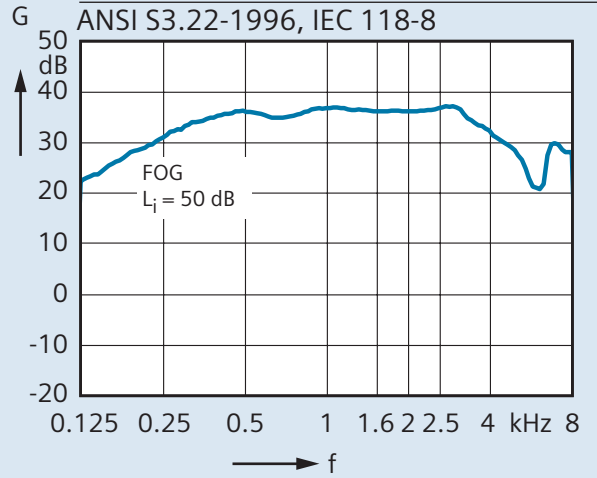
Output Sound Pressure Level/OSPL 90 MC 115/40



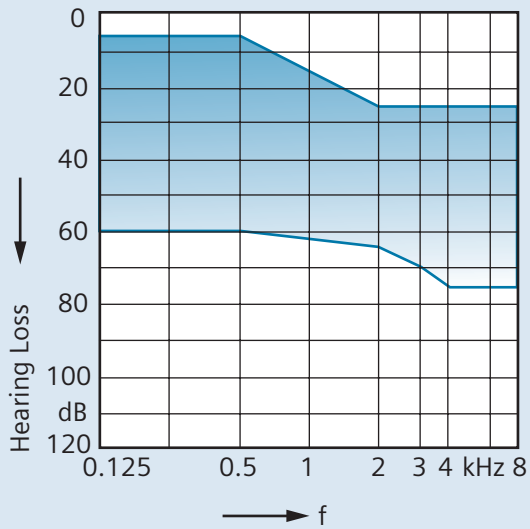
Maximum Gain MC 115/40



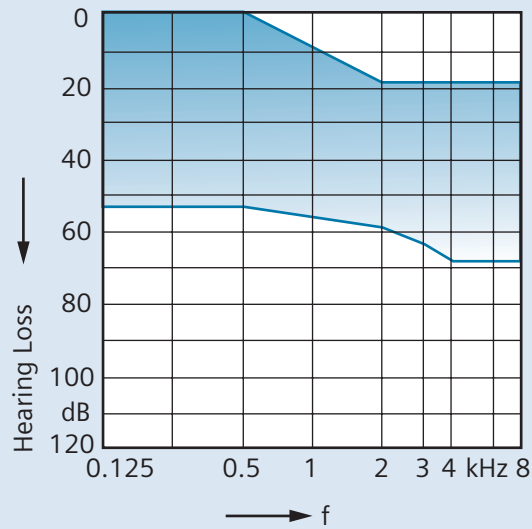
Maximum Effective Gain MC 115/40



Fitting Range Micro-CIC 115/40

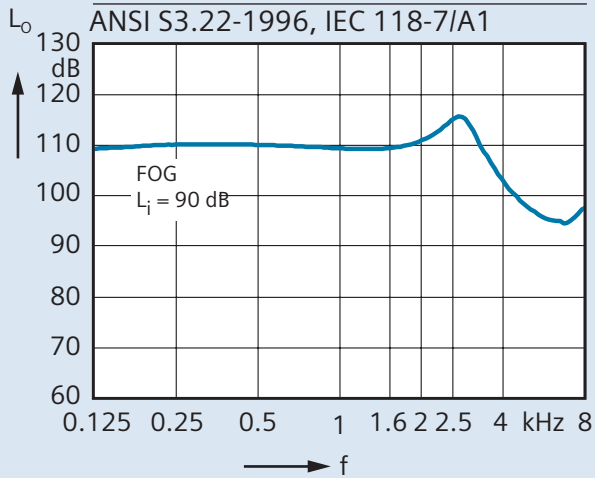


Fitting Range Micro-CIC 110/35



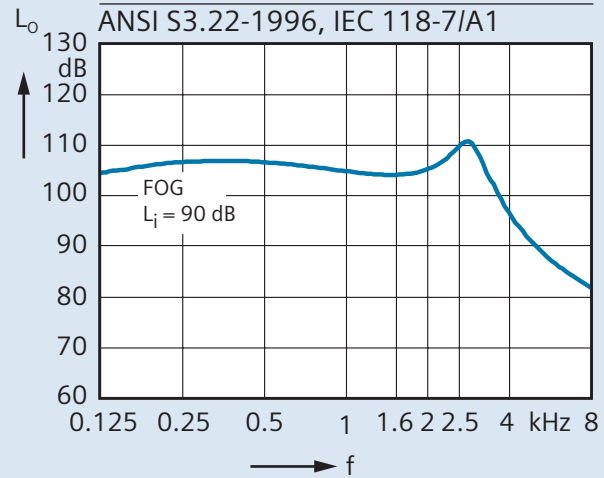
**Output Sound Pressure Level/
OSPL 90 Micro-CIC 115/40**

ANSI S3.22-1996, IEC 118-7/A1



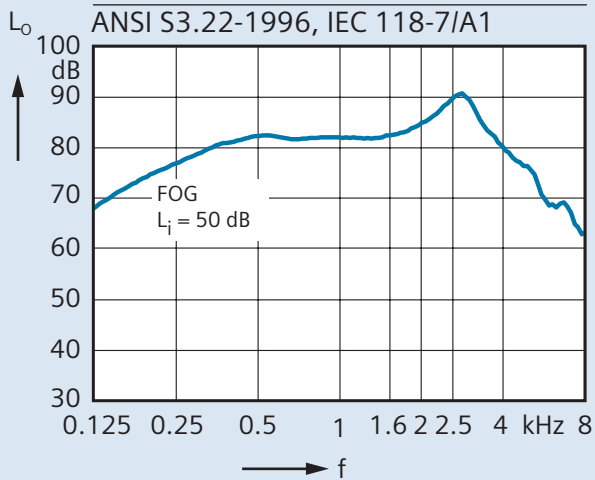
**Output Sound Pressure Level/
OSPL 90 Micro-CIC 110/35**

ANSI S3.22-1996, IEC 118-7/A1



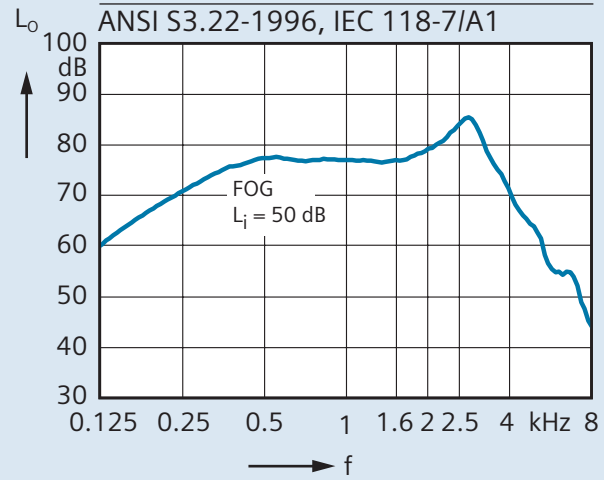
Maximum Gain Micro-CIC 115/40

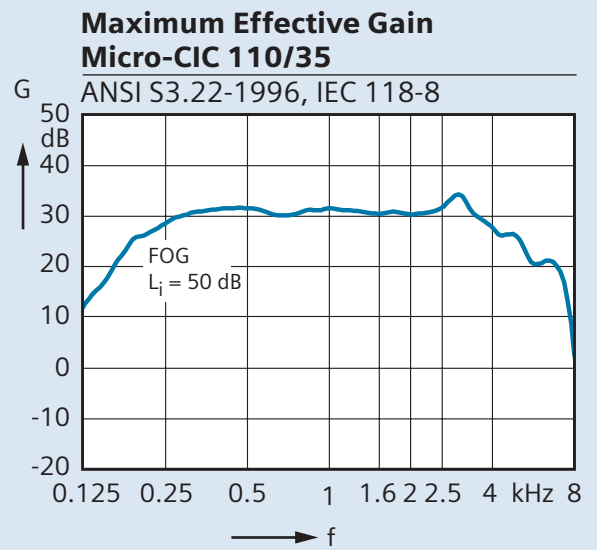
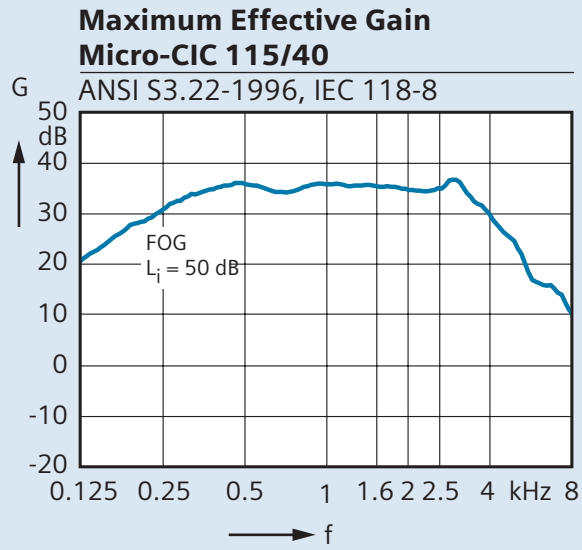
ANSI S3.22-1996, IEC 118-7/A1



Maximum Gain Micro-CIC 110/35

ANSI S3.22-1996, IEC 118-7/A1





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