



Public Address - Voice Alarm
Audio Distribution over IP
Commercial Audio
Intelligent Acoustic Solutions
Intercommunication
Loudspeakers



CATALOGUE 2012
Suspending Spherical Loudspeakers-VII

DELIVERING YOUR MESSAGE

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Loudspeakers



GB10/T



GB Series

Those modern styled spherical loudspeakers are true omni-directional devices, providing coverage angles of 360 degrees horizontal and 140/160 degrees vertical, giving an even dispersion over the audio spectrum. This excellent dispersion together with smooth frequency response and carefully controlled performance enable this speaker to offer solutions to many problems that arise in difficult acoustic applications.

Ideally suited for covering large open spaces such as warehouses, open plan retail complexes, concourses, factories etc. This unit are ideal for both speech and background music.

The **GB10/T** and the **GB20/T** are supplied with a metal braided cable strong enough to carry ten times their weight and in compliance with BS5839 part 8, the "C" version incorporates a ceramic terminal and thermal fuse making it suitable for use in voice alarm applications.

Suspending Spherical Loudspeakers-VII

GB20/T



Suspending Spherical Loudspeakers-VII

Suspending Spherical Loudspeakers

GB Series 4

GB10/T

Suspending Spherical Loudspeakers

ELECTRICAL

Rated power, Watts:	6
Tappings 100 volt line, Watts:	6/3/1.6/0.75
Transformer Impedance, Ohms, 100V:	1.67k/3.33k/6.66k/13.3k
Tappings 70.7 volt line, Watts:	3/1.5/0.75/0.375
Driver impedance, Ohms:	8
Effective frequency range, Hz (BSEN60268-5):	220-18KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	92
S.P.L. @ Full power Octave Bandwidth, dB:	99
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	88/91
Dispersion Vertical at 1k/2k Hz, Degrees :	180/160
Dispersion Horizontal at 1k/2k Hz, Degrees :	360/360
Directivity Axial Q factor, 1k/2kHz:	3.0 /4.7

MECHANICAL

Dimensions, mm:	Ø181
Net Weight, Kgs:	1.6
Colour (Unless Specified):	White RAL9016
Material:	Powder-coated steel
Mounting:	Pendant hung



GB10/T

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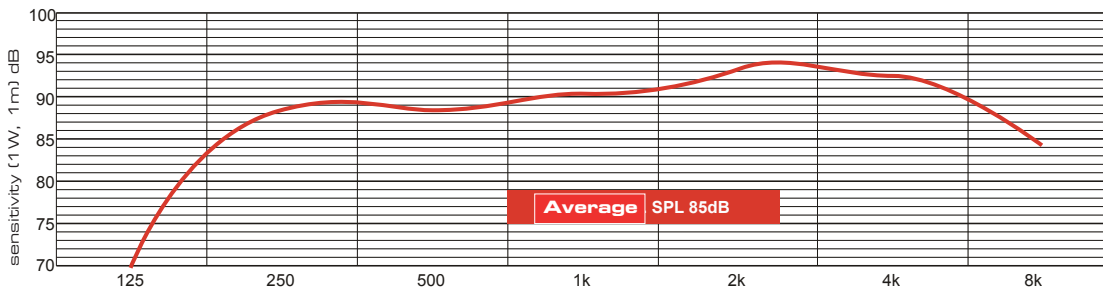
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Suspending Spherical Loudspeakers - VII

GB Series

GB10/T

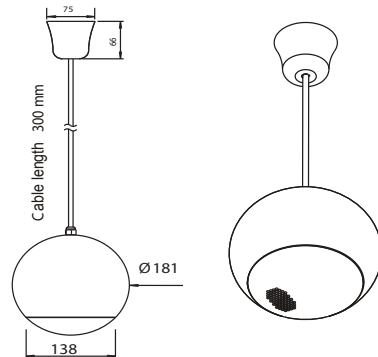
Speech octave band sensitivity



Effective Frequency Range - 80 Hz - 18 kHz

unit : mm

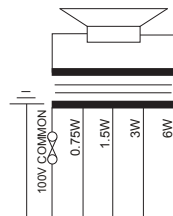
Side view



CE

Circuit diagram

GB 10/TC



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ATEIS



GB20/T

Suspending Spherical Loudspeakers

ELECTRICAL

Rated power, Watts:	20
Tappings 100 volt line, Watts:	20/10/5/2.5
Transformer Impedance, Ohms, 100V:	500k/1k/2k/4k
Tappings 70.7 volt line, Watts:	10/5/2.5/1.25
Driver impedance, Ohms:	8
Effective frequency range, Hz (BSEN60268-5):	80-18KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	94
S.P.L. @ Full power Octave Bandwidth, dB:	107
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	95/90
Dispersion at 1k/2k Hz, Degrees :	160/140 (Vertical) 360/360 (Horizontal)
Directivity Axial Q factor, 1k/2kHz:	4.3 /4.7

MECHANICAL

Dimensions, Ø, mm:	Ø254
Net Weight, Kgs:	2.4
Colour (Unless Specified):	White RAL9016
Material:	ABS moulding with UV inhibitors
Mounting:	Pendant hung



GB20/T

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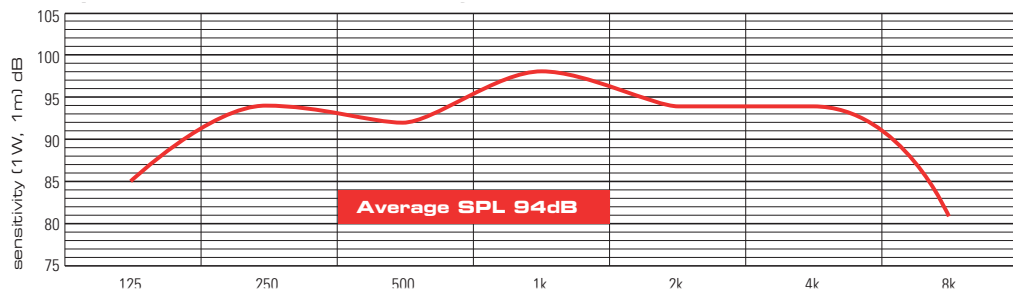
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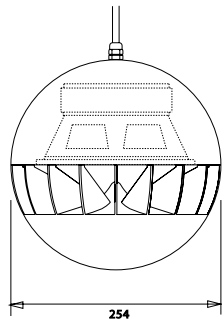
Speech octave band sensitivity



Effective Frequency Range - 80 Hz - 18 kHz

unit : mm

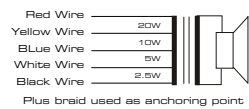
Side view



CE

Circuit diagram

GB20/T Circuit diagram 100V Common



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