BSE

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SPEAKER

Micro speaker | Dynamic receiver | Loud speaker

本社·工場

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Dynamic receiver & Micro speaker & Loud speaker

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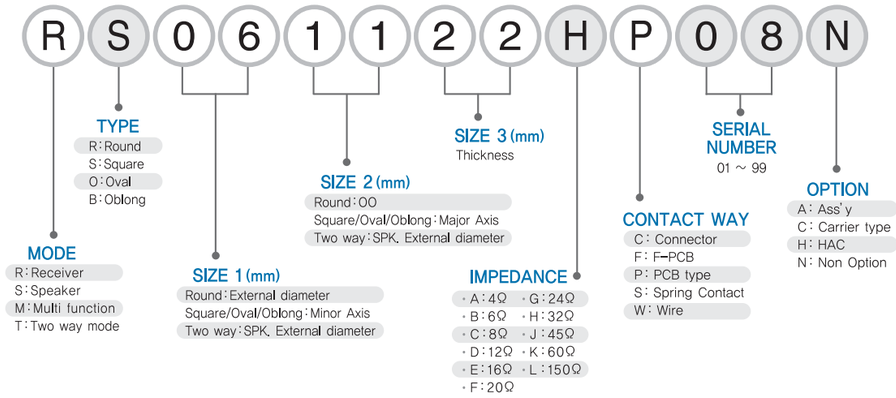
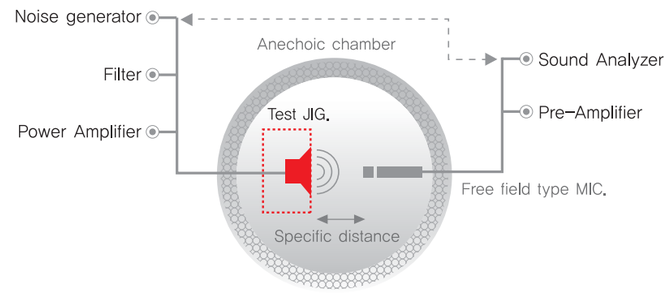
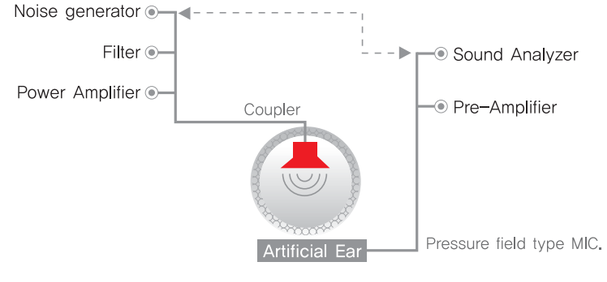


ACOUSTIC TEST SYSTEM

Micro-Speaker Testing Block Diagram



Dynamic Receiver Testing Block Diagram



DYNAMIC RECEIVER

PRODUCTS RANGE

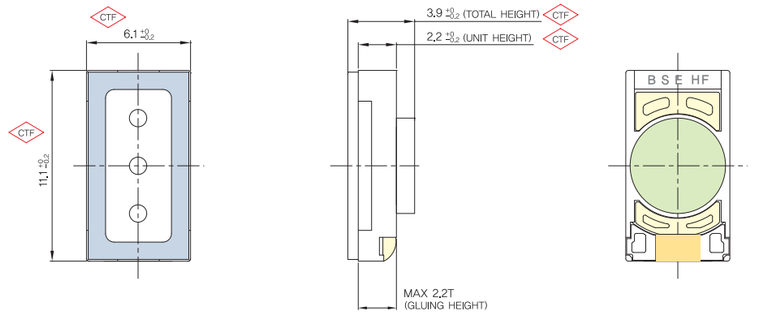
Receiver Unit

061122 RCV

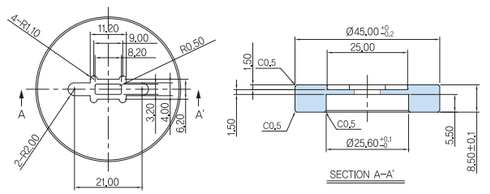
Specifications

Item	Specifications	Remark
Dimension	06 × 11 × 2.2T	Square
Impedance	32Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	50 mW	
Maximum Input Power	100 mW	
Sensitivity	106.5 ± 2dB at 1kHz, 100mVrms sine wave signal with the IEC318 coupler	
Resonance Frequency	600 ± 90 Hz at 1Vrms	

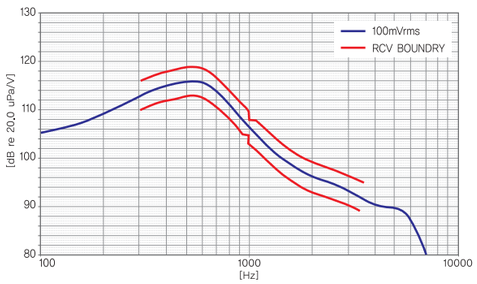
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



DYNAMIC RECEIVER

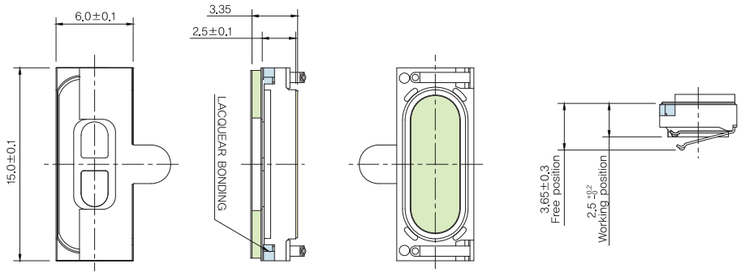
Receiver Unit

061525 RCV

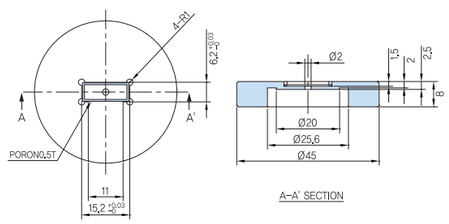
Specifications

Item	Specifications	Remark
Dimension	06 × 15 × 2.5T	Square
Impedance	32Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	10 mW	
Maximum Input Power	50 mW (Refer to IEC268-5)	
Sensitivity	- ± 3dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	111 ± 3dB @ 1kHz, 0.18Vrms	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	- Hz ± 20%	In free air

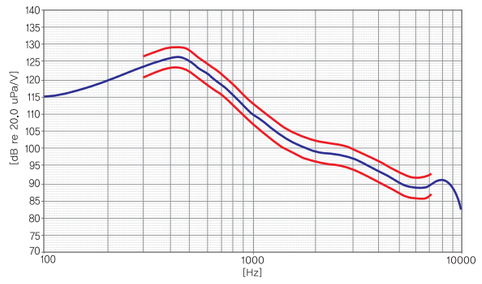
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



DYNAMIC RECEIVER

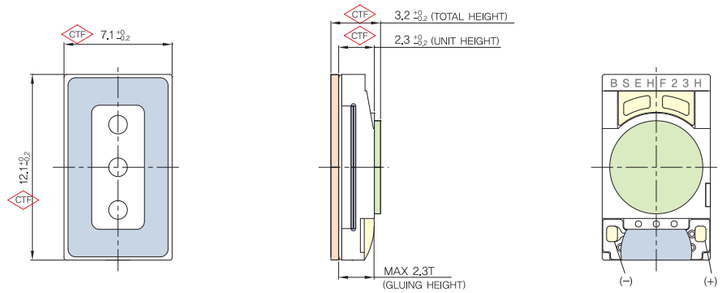
Receiver Unit

071223 RCV

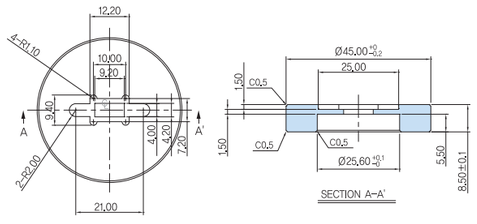
Specifications

Item	Specifications	Remark
Dimension	07 × 12 × 2.3T	Square
Impedance	32Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	50 mW	
Maximum Input Power	100 mW	
Sensitivity	106.5 ± 2dB at 1kHz, 100mVrms sine wave signal with the IEC318 coupler	
Resonance Frequency	600 ± 90 Hz at 1Vrms	

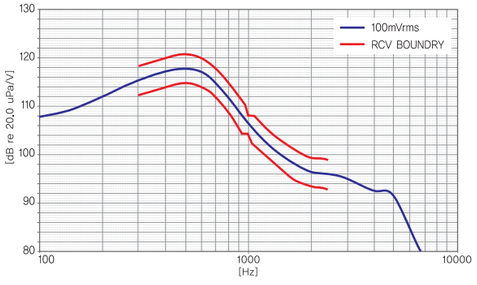
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



DYNAMIC RECEIVER

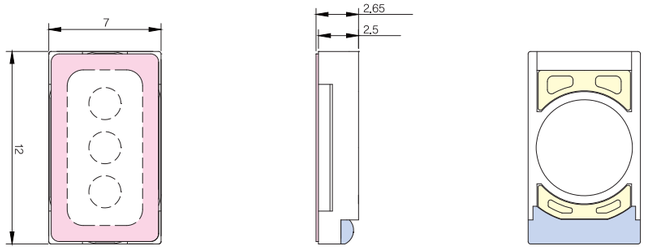
Receiver Unit

071225 RCV

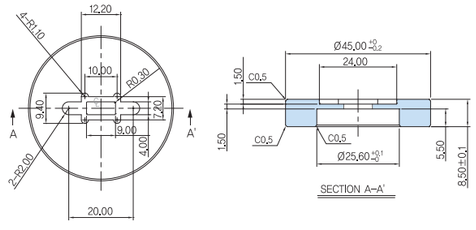
Specifications

Item	Specifications	Remark
Dimension	07 × 12 × 2.5T	Square
Impedance	32Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	50 mW	
Maximum Input Power	80 mW	Refer to IEC268-5
Sensitivity	- ± 3dB @ 0.1m, 0.1W	
	110 ± 3dB @ 1kHz, 0.1Vrms	
Resonance Frequency	- Hz ± 20%	In free air

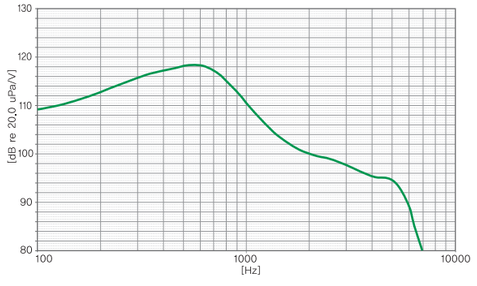
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



DYNAMIC RECEIVER

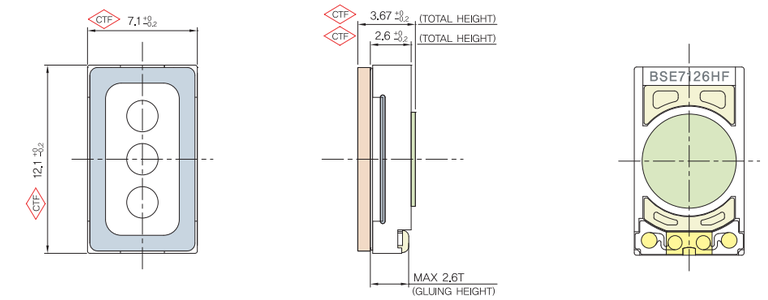
Receiver Unit

071226 RCV

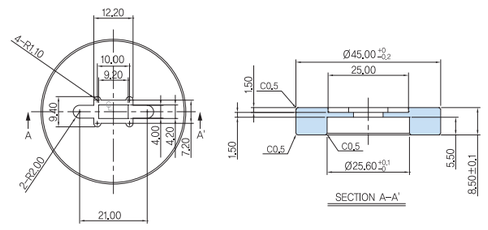
Specifications

Item	Specifications	Remark
Dimension	07 × 12 × 2.6T	Square
Impedance	32Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	30 mW	
Maximum Input Power	50 mW	
Sensitivity	112 ± 2dB at 1kHz, 100mVrms sine wave signal with the IEC318 coupler	
Resonance Frequency	600 ± 90 Hz at 1Vrms	

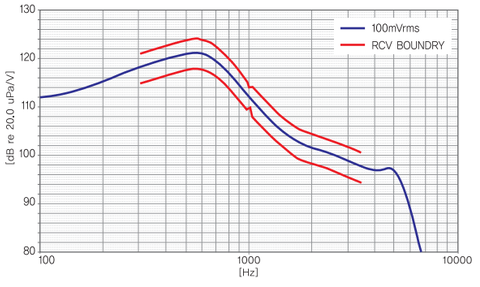
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



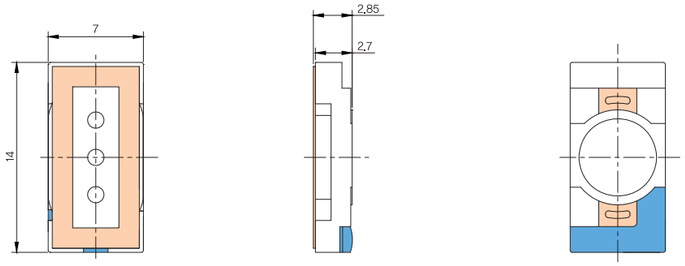
Receiver Unit

071427 RCV

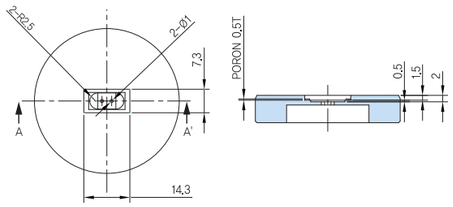
Specifications

Item	Specifications	Remark
Dimension	07 × 14 × 2.7T	Square
Impedance	32Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	50 mW	
Maximum Input Power	80 mW (Refer to IEC268-5)	
Sensitivity	- ± 3dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	106 ± 3dB @ 1kHz, 0.1Vrms	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	- Hz ± 20%	In free air

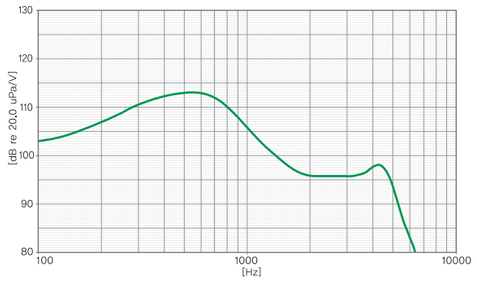
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



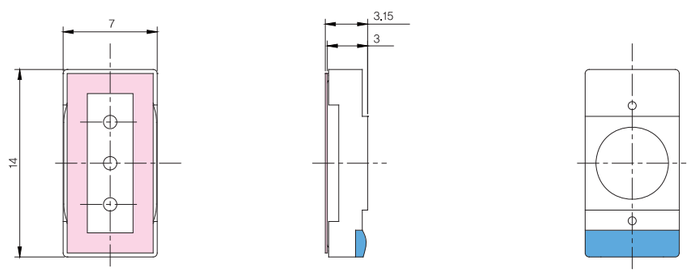
Receiver Unit

071430 RCV

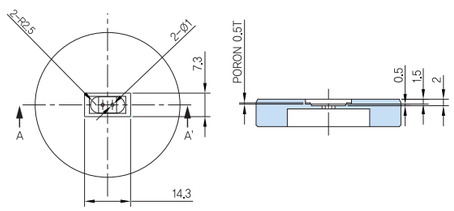
Specifications

Item	Specifications	Remark
Dimension	07 × 14 × 3.0T	Square
Impedance	32Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	50 mW	
Maximum Input Power	80 mW (Refer to IEC268-5)	
Sensitivity	- ± 3dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	101 ± 3dB @ 1kHz, 0.1Vrms	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	- Hz ± 20%	In free air

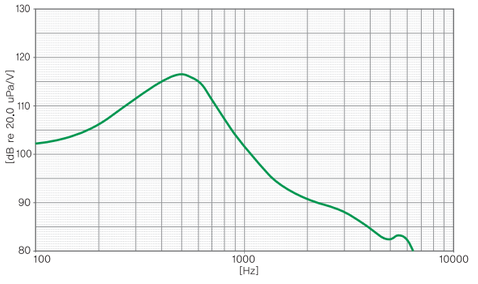
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



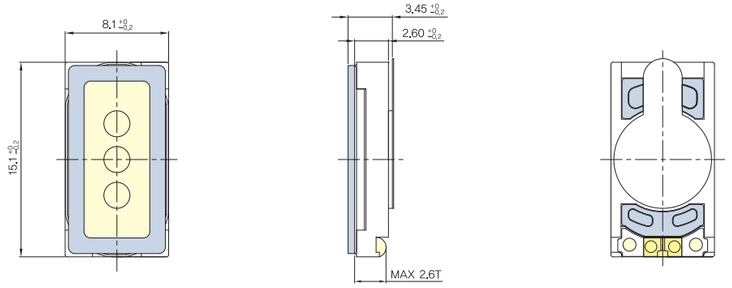
Receiver Unit

081526 RCV

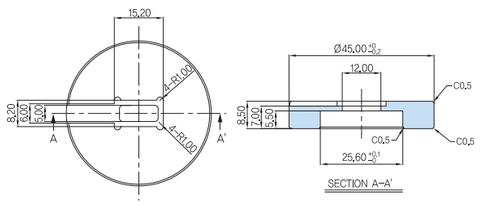
Specifications

Item	Specifications	Remark
Dimension	08 × 15 × 2.6T	Square
Impedance	32Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	30 mW	
Maximum Input Power	50 mW	
Sensitivity	110.5 ± 2dB at 1kHz, 100mVrms sine wave signal with the IEC318 coupler	
Resonance Frequency	430 ± 90 Hz at 1Vrms	

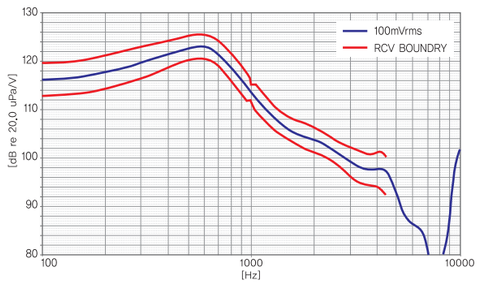
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



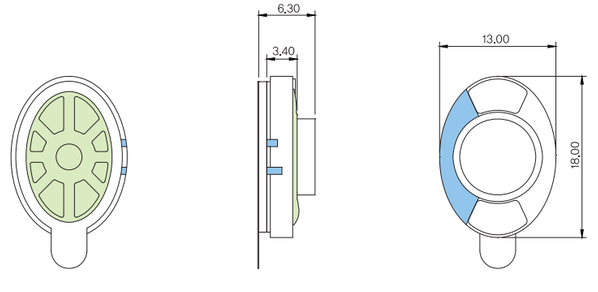
Receiver Unit

131834 RCV

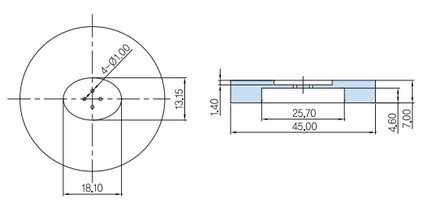
Specifications

Item	Specifications	Remark
Dimension	13 × 18 × 3.4T	Oval
Impedance	150Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	10 mW	
Maximum Input Power	30 mW (Refer to IEC268-5)	
Sensitivity	- ± 3dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	100 ± 3dB @ 1kHz, 0.1Vrms	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	- Hz ± 20%	In free air

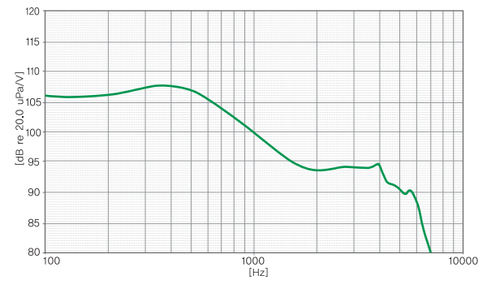
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



MICRO-SPEAKER

PRODUCTS RANGE

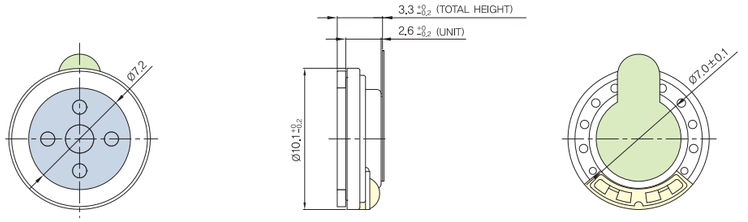
Speaker Unit

100026 SPK

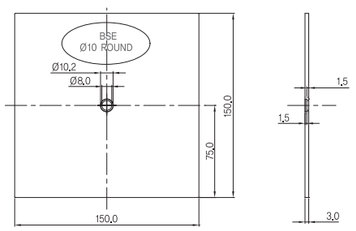
Specifications

Item	Specifications	Remark
Dimension	10 × 2.6T	Round
Impedance	8Ω ± 10% at 2kHz, 1Vrms	
Rated Input Power	0.5 W	
Maximum Input Power	0.7 W (Refer to IEC268-5)	
Sensitivity	83 ± 3dB @ 0.1m, 0.1W	at 0.8, 1.0, 1.2, 1.5kHz average
	- ± 3dB @ 1kHz, 1mW	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	1.0 kHz ± 20%	In free air

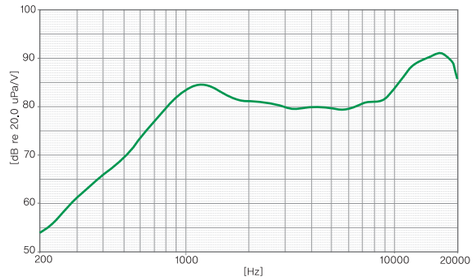
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



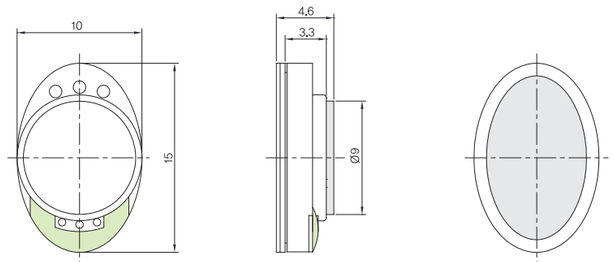
Speaker Unit

101533 SPK

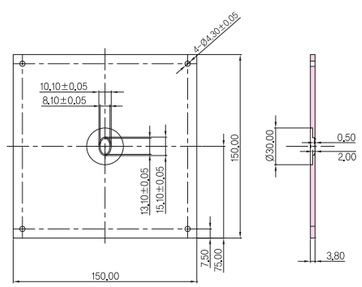
Specifications

Item	Specifications	Remark
Dimension	10 × 3.3T	Oval
Impedance	8Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	0.7 W	
Maximum Input Power	1.0 W (Refer to IEC268-5)	
Sensitivity	85 ± 3dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	- ± 3dB @ 1kHz, 1mW	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	950 Hz ± 20%	In free air

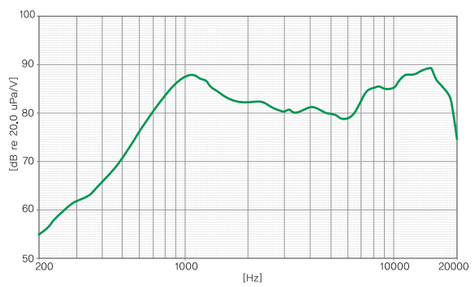
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



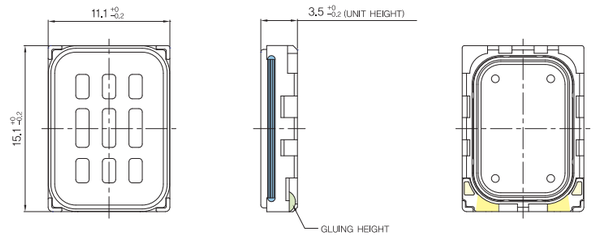
Speaker Unit

111535 SPK

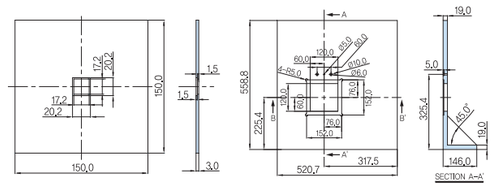
Specifications

Item	Specifications	Remark
Dimension	11 × 15 × 3.5T	Square
Impedance	8Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	0.64 W	
Maximum Input Power	1.0 W	
Sensitivity	83.5 ± 2dB (0.1W / 0.1m)	at 0.8, 1.0, 1.2, 1.5kHz average
	87 ± 2dB (0.1W / 0.1m)	at 0.8, 1.0, 1.2, 1.5kHz average (With 1.0cc Volume Jig)
Resonance Frequency	550 ± 15% at 1Vrms	With the baffle
	850 ± 15% at 1Vrms	With 1.0cc Volume Jig

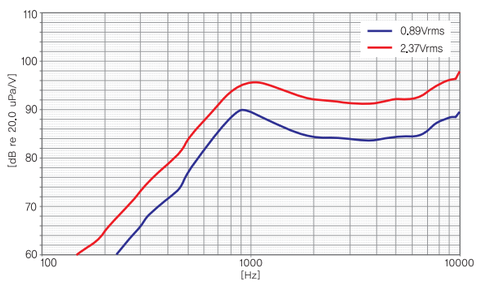
Dimensions



Measurement Conditions

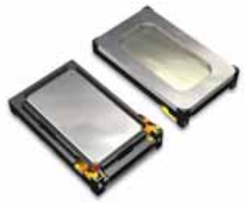


Frequency Response (Test Jig)



Speaker Unit

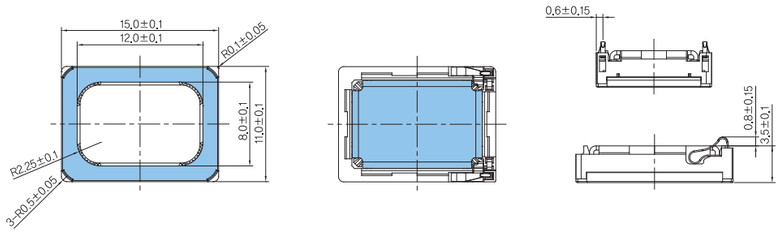
111535 SPK



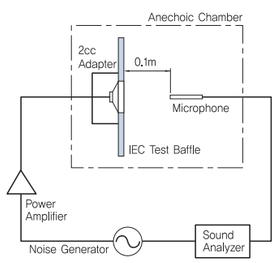
Specifications

Item	Specifications	Remark
Dimension	11 × 15 × 3.5T	Square
Impedance	8Ω	
Power handling capacity	500 mW	
Contact	Leaf spring	
Sensitivity	88 dBSPL ± 3 dB @ 1kHz 85 dBSPL ± 3 dB @ 2kHz 85 dBSPL ± 3 dB @ 4 kHz	@10cm / 125mW in 1cc test box
Resonance Frequency	450 Hz ± 85 Hz	in free field
	760 Hz ± 60 Hz	in 1cc test box

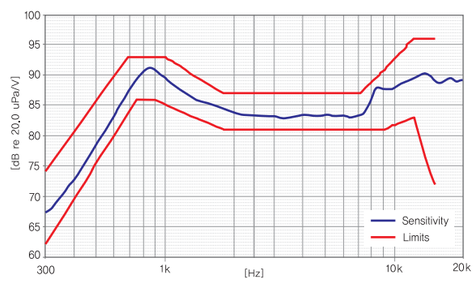
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



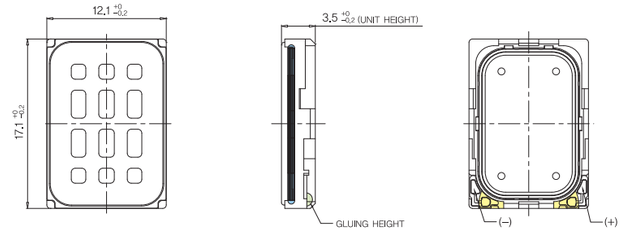
Speaker Unit

121735 SPK

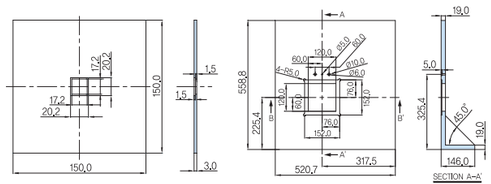
Specifications

Item	Specifications	Remark
Dimension	12 × 17 × 3.5T	Square
Impedance	8Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	0.64 W	
Maximum Input Power	1.0 W (Refer to IEC268-5)	
Sensitivity	89.5 ± 2 dB (0.1W / 0.1m)	at 0.8, 1.0, 1.2, 1.5kHz average (With 1.0cc Back Volume)
Resonance Frequency	900 ± 15% at 1Vrms (With 1.0cc Back Volume)	

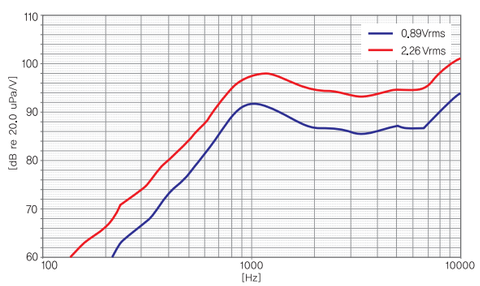
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



MICRO SPEAKER

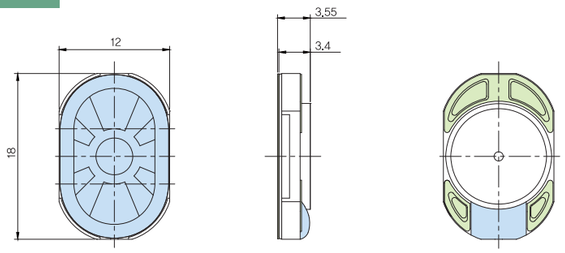
Speaker Unit

121834 SPK

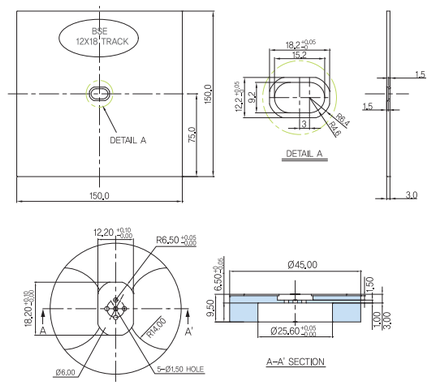
Specifications

Item	Specifications	Remark
Dimension	12 × 18 × 3.4T	Oblong
Impedance	8Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	0.8 W	
Maximum Input Power	1.2 W (Refer to IEC268-5)	
Sensitivity	88 ± 3 dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	123 ± 3 dB @ 1kHz, 100mV	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	720 Hz ± 15%	In free air

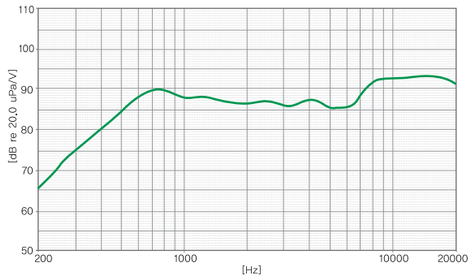
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



MICRO SPEAKER

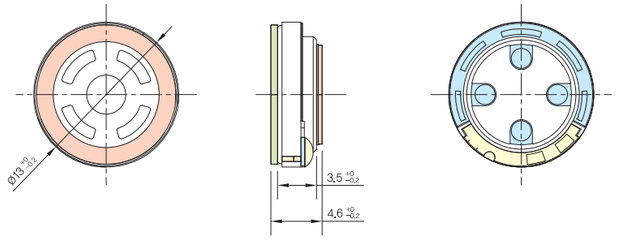
Speaker Unit

130035 SPK

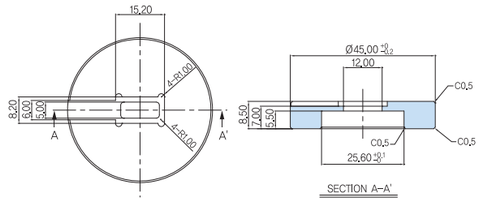
Specifications

Item	Specifications	Remark
Dimension	13 × 3.5T	Round
Impedance	8Ω ± 15% at 1V, 1.5kHz	
Rated Input Power	0.64 W	
Maximum Input Power	1.0 W	
Sensitivity	88 ± 2dB	at (AVG 0.8, 1, 1.2, 1.5KHz) 0.1W/0.1m with the baffle
Resonance Frequency	800 ± 15% at 0.1W, 0.1m	

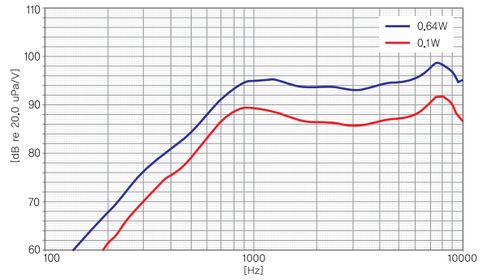
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



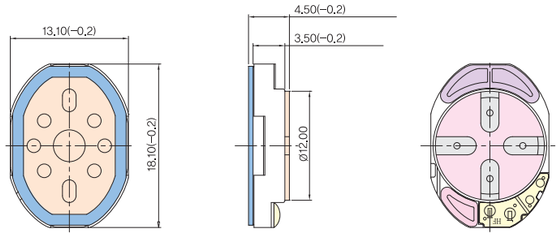
Speaker Unit

131835 SPK

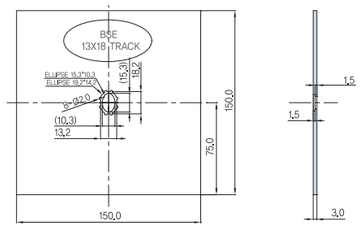
Specifications

Item	Specifications	Remark
Dimension	13 × 18 × 3.5T	Oblong
Impedance	8Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	0.7 W	
Maximum Input Power	1.1 W	
Sensitivity	90 ± 2dB	at 0.8, 1.0, 1.2, 1.5KHz average (0.1W / 0.1m)
Resonance Frequency	750 ± 15% at 1Vrms	

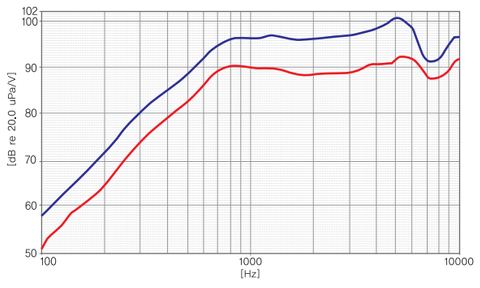
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



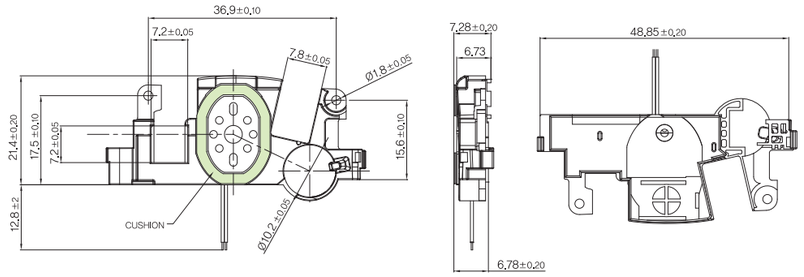
Speaker Unit

131835 (CARRIER TYPE) SPK

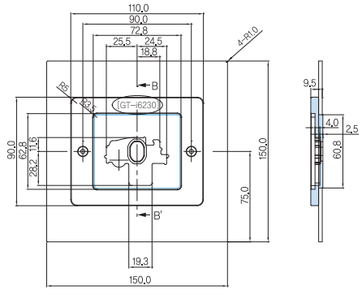
Specifications

Item	Specifications	Remark
Dimension	13 × 3.5T	Oblong + Carrier
Impedance	8Ω ± 15% at 2kHz, 1Vrms	
Rated Input Power	0.7 W	
Maximum Input Power	1.1 W	
Sensitivity	90 ± 2dB	at 0.8, 1.0, 1.2, 1.5KHz average (0.1W / 0.1m)
Resonance Frequency	750Hz ± 100Hz at 1Vrms	

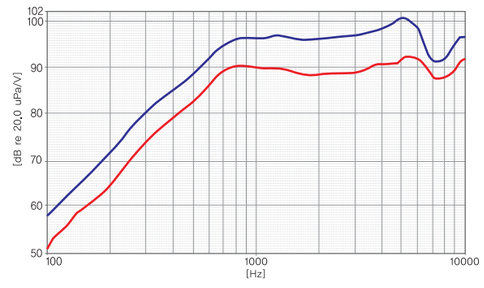
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



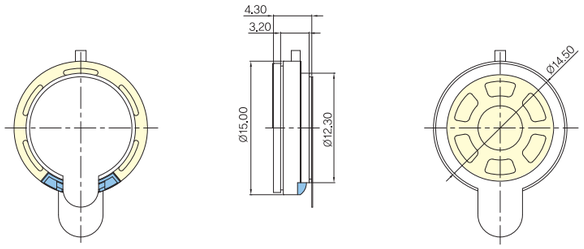
Speaker Unit

150032 SPK

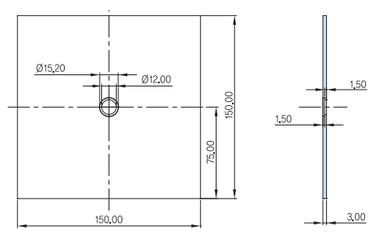
Specifications

Item	Specifications	Remark
Dimension	15 × 3.2T	Round
Impedance	8Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	0.7 W	
Maximum Input Power	1.1 W (Refer to IEC268-5)	
Sensitivity	88 ± 3dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	- ± 3dB @ 1kHz, 0.1Vrms	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	750 Hz ± 20%	In free air

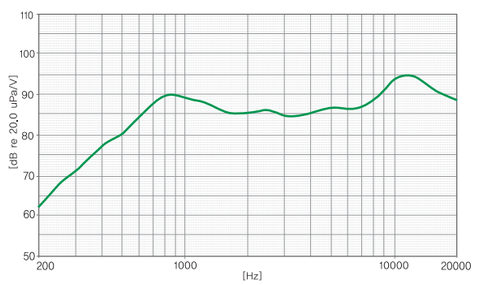
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



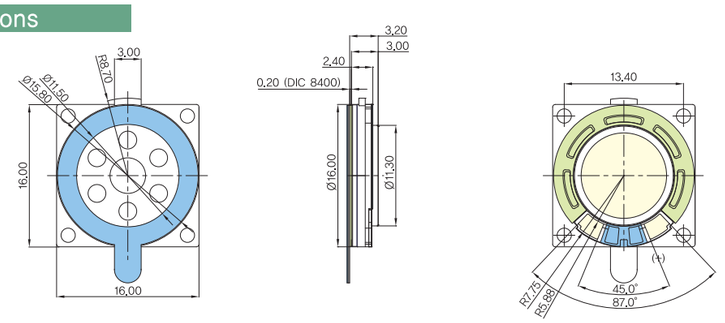
Speaker Unit

160030 SPK

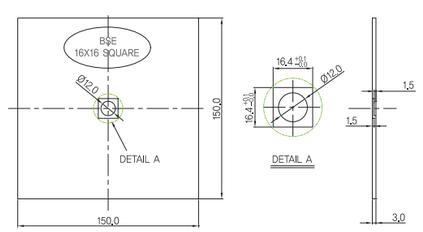
Specifications

Item	Specifications	Remark
Dimension	16 × 3.0T	Round
Impedance	8Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	0.7 W	
Maximum Input Power	1.0 W (Refer to IEC268-5)	
Sensitivity	87 ± 3dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	- ± 3dB @ 1kHz, 100mW	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	800 Hz ± 20%	In free air
Waterproof Performance	IPX7 (Immersion for 30 minutes at a depth of 1 meter)	

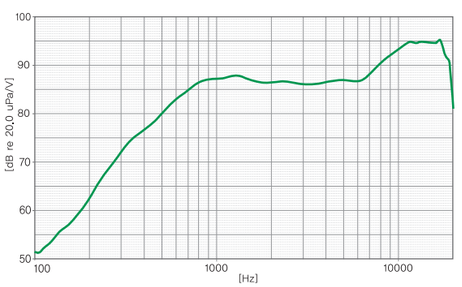
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



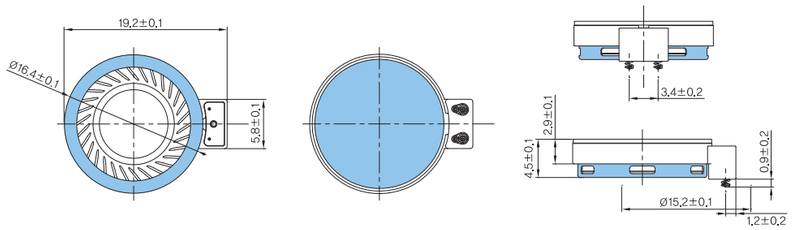
Speaker Unit

160045 MFD

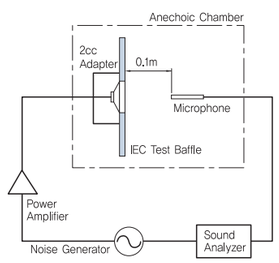
Specifications

Item	Specifications	Remark
Dimension	16.4 × 4.5T	Round
Impedance	8Ω	
Power handling capacity	500 mW	
Sensitivity	85dB ± 3dB	
Resonance Frequency	500 Hz ± 15	In free air
	740 Hz ± 15%	In 2cc back volume
Vibrator Resonance frequency	157 Hz ± 5 Hz	
Operating voltage	0.35 Vrms	
Vibrating force	> 0.7g	at the center of mass of 80 gram JIG

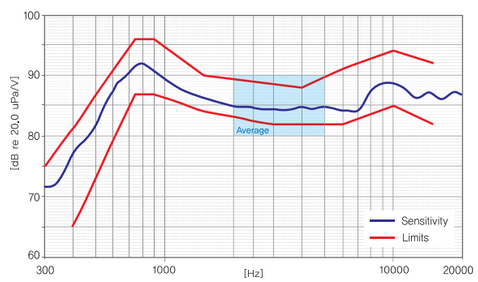
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



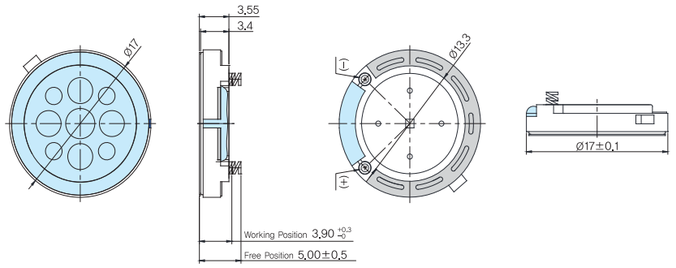
Speaker Unit

170034 SPK

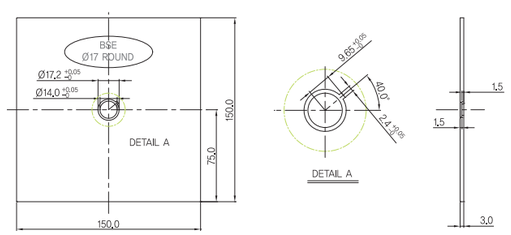
Specifications

Item	Specifications	Remark
Dimension	17 × 3.4T	Round
Impedance	8Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	0.8 W	
Maximum Input Power	1.2 W (Refer to IEC268-5)	
Sensitivity	89 ± 3dB @ 0.1m, 0.1W	averaged from 800Hz to 1.5kHz on a specific baffle
	- ± 3dB @ 1kHz, 100mV	at 1kHz on an artificial ear with a specific earpiece
Resonance Frequency	720 Hz ± 20%	In free air

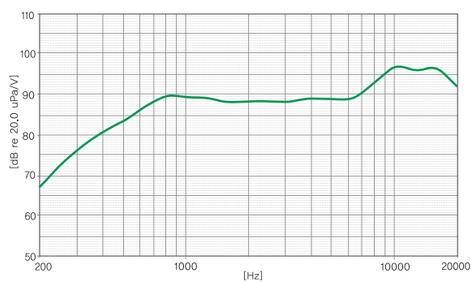
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



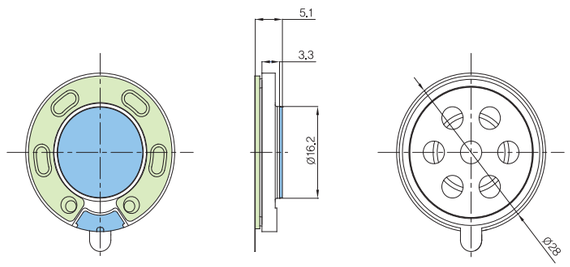
Speaker Unit

280035 SPK

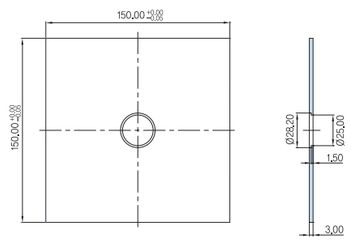
Specifications

Item	Specifications	Remark
Dimension	28 × 3.5T	Round
Impedance	8.0Ω ± 15% @ 2kHz, 1Vrms	
Rated Input Power	0.3 W	
Maximum Input Power	0.5 W (Refer to IEC268-5)	
Sensitivity	88 ± 3dB @ 0.1m, 0.1W	
	- ± 3dB @ 1kHz, 0.1Vrms	
Resonance Frequency	450 Hz ± 20%	In free air

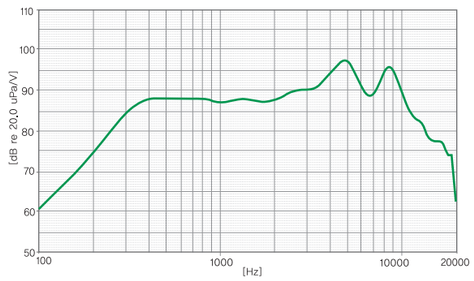
Dimensions



Measurement Conditions



Frequency Response (Test Jig)



LOUD SPEAKER

PRODUCTS RANGE

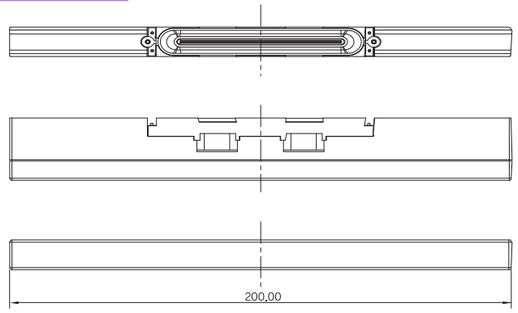
General Type

LED TV SPK

Specifications

Item	Specifications	Remark
Dimension	200.0 × 14.0 × 30.0T	Square
Impedance	12Ω ± 15% @ 1kHz, 1Vrms	
Rated Input Power	10 W	
Maximum Input Power	15 W	
Sensitivity	80dB ± 3dB @ 0.5m, 1.0W	
Resonance Frequency	400 Hz ± 15%	

Dimensions



Measurement Conditions

measure in free air

Frequency Response (Test Jig)