

SPECIFICATION

FOR APPRONAL

Customer

Product Name : Receiver

Model Name : VSDR153

Drawing No. : VS20200226019

Signature of Voise

Approved by	Checkde by	Issued by	Date



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	Revision No.	1.0
Model No.: VSDR153	Drawing No.	VS20200226019
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1. Revision

Rev.No.	Date	Page	Description of Revision
1.0	2019/9/9		Preliminary



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		Revision No	1.0
Model No.: VSI	DR153	Drawing No	VS20200226019
2. Scope			
This specification cv	oers a dynamic receiver unit for phone	use.	
This specification cv	voers a dynamic receiver unit for phone racteristics	use.	
This specification cv 3. General Cha 2.1 Out-Diameter	voers a dynamic receiver unit for phone racteristics : 28 mm	use.	
This specification cv 3. General Cha 2.1 Out-Diameter 2.2 Height	voers a dynamic receiver unit for phone racteristics : 28 mm : 7.2 mm	use.	
This specification cv 5. General Cha 2.1 Out-Diameter 2.2 Height 2.3 Weight	voers a dynamic receiver unit for phone racteristics : 28 mm : 7.2 mm : 18 g	use.	
This specification cv 3. General Cha 2.1 Out-Diameter 2.2 Height 2.3 Weight 2.4 Operating Tempe	racteristics : 28 mm : 7.2 mm : 18 g : -20~+50°C without loss of function	use.	

Test condition :15 ~ 35 °C Temp., 25% ~ 75% RH,86~106 kPa Refer to IEC60268-1

No	Items	Specification
1	Impedance	150 Ω ± 20% (1Vrms at 1.0KHz)
2	Sound Pressure Level	93 dB ± 2dB (60mV at 1kHz)
3	Resonance Frequency(fo)	
4	Frequency Range	300Hz ~3.4KHz
5	Input Power	Rated 10 mW / Max. 30 mW
6	Distortion	Less than 5% at 1kHz/2Vrms
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 1.22V sine wave signal swept at frequency range.



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5. Reliability Test

After test(1~7item), the speaker S.P.L . difference shall be within ± 3 dB, and the appearance not exist any change to be harmful to normal operation

No	Items	Specification
1	High Temp.Test	Keep 96 hours at +65±3 $^\circ\!{\rm C},$ and leave 1 houres in normal temperature and then check.
2	Low Temp.Test	Keep 96 hours at -25±3 $^\circ\!\mathbb{C}$,and leave 1 houres in normal temperature and then check.
3	Humidity Test	Keep 96 hours at -40±3 $^\circ\!\!C$,relative humidity 85 to 90% and leave 1 houres in normal temperature and then check.
4	Thermal Shock Test	Each temperature cycle shall consist of 2 hours at +25±3 $^{\circ}$ C followed by 2hours at +60±3 $^{\circ}$ C, and followed by 2hours at -20±3 $^{\circ}$ C with a 20 to 40 minutes transition time between each 2 temperature extremes. The test duration is for 2 cycle.
5	Vibration Test	Being applied vibration of amplitude of 1.5mm with 10-55-10Hz band of vibration frequency,X.Y.Z.3 direction.2 hours each, total 6 hours.
6	Drop Test	Free drop fram 1.0 meter height to a board 20mm thick hard wood board. and be nothing mechanical damage. tatol 6 times.
7	Load test	Loading white noise with input rate power for 24 hours, then placed in natural condition for 1 hour and then check.
8	Insulation test	When they are measured with DC 100V the insulation resistance between v.c. terminal and frame must be more than 1 $M\Omega$







