

**Körperschalllautsprecher EXT-1916D09**

Art. Nr. 105026

**Specification:**

NO	ITEM	SPECIFICATION
1	Mechanical Layout & Dimensions	Shown in the Exciter-02.Drw
2	Nominal Impedance	$8 \Omega \pm 15\%$ at 1KHZ, 1.0V (D.C.R= $7.2 \Omega \pm 10\%$ )
3	Input Power	Nom. Input 3W
		Max. Input 5W
4	Operation	3.64Volt (200Hz-20KHz) Sweep Time at 2s
5	Resonant FerQ. F0	$450 \pm 20\%$ HZ (F0 Meter)
6	Flux Density	8500 GAUSS $\pm 10\%$
7	Insulation Resistance	No Less than 1M at DC 100V
8	Polarity	When positive voltage is applied to the (+) Terminal, Voice Coil should move out to of the Air gap.
9.	Weight	$23g \pm 10\%$ (Driver weight)
10	Power Test	IEC 268-5 4.89V 48 Hours
11	Heat Resistance	Temperature: $+60^{\circ}\text{C} \pm 2^{\circ}\text{C}$
		Duration: 24 hours
12	Humidity Resistance	Temperature: $+40^{\circ}\text{C} \pm 2^{\circ}\text{C}$
		Relative Humidity: 93(+2/-3)%
		Duration: 48 Hours(GB)
13	Low Resistance	Temperature: $-10^{\circ}\text{C} \pm 3^{\circ}\text{C}$ testing 1 Hours (GB)
		And then $-20^{\circ}\text{C} \pm 3^{\circ}\text{C}$ testing 2 Hours(GB)
14	Dropping Test	$600 \pm 25\text{mm}$ $60^{\circ} \pm 5^{\circ}$ (GB)

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**Sample Testing Report:**

NO	ITEM	TESTING CONDITIONS	No1	No2	No3	No4	Result
1	Speaker Size	Out Diameter : $\Phi$ 36.7 $\pm$ 0.3mm	36.7	36.7	/	/	OK
2	Impedance	8 $\Omega$ $\pm$ 15 % At 1KHZ,1.0V (D.C.R: 7.2 $\Omega$ $\pm$ 10%)	7.2	7.2	/	/	OK
3	Resonance Frequency	450Hz $\pm$ 20% (F0 Meter)	450	450	/	/	OK
4	Buzz & Rattle Test	Must Be Normal: Wave3.64V (Form 200Hz To 20KHz )	√	√	/	/	OK
5	Polarity	When a positive D.C voltage is applied To the voice coil terminal marked to Diaphragm should move to the front	√	√	/	/	OK
6	Flux Density	8500GAUSS $\pm$ 10%	8500	8600	/	/	OK
7	Power Test	IEC 268-5 4.89V 48 Hours	√	√	/	/	OK
8	Heat Resistance	Temperature: +60°C $\pm$ 2°C Duration: 24 Hours	√	√	/	/	OK
9.	Humidity Resistance	Temperature: +40°C $\pm$ 2°C Relative Humidity: 93(+2/-3)% Duration: 48 Hours(GB)	√	√	/	/	OK
10	Low Temperature	Temperature: -10°C $\pm$ 3°C testing 1 Hours And then -20°C $\pm$ 3°C testing 2 Hours(GB)	√	√	/	/	OK
11	Dropping Test	600mm $\pm$ 25mm 60° $\pm$ 5° (GB)	√	√	/	/	OK

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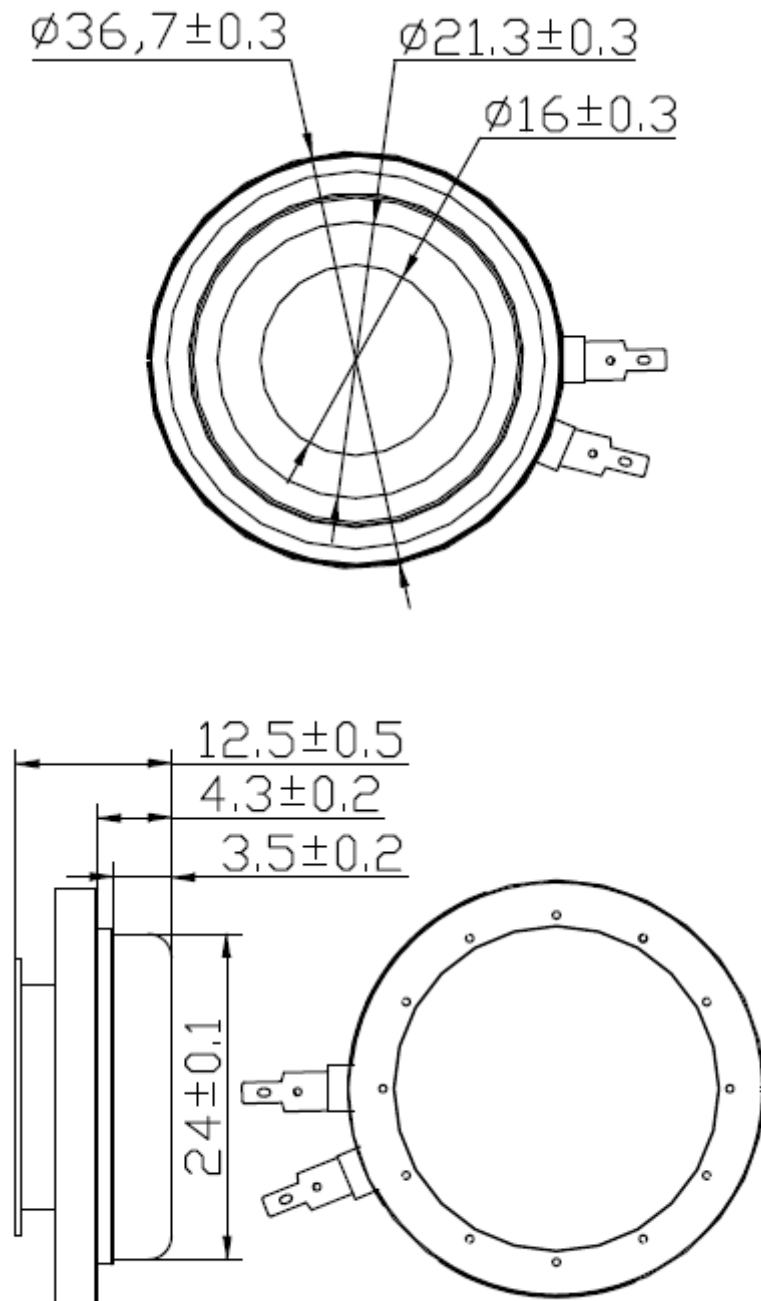
**RoHS Substance Confirmation Form:**

NO	SUPPLY ITEM		RoHS Substance Inspection Result						Survey Report No ( 6 Material )
			Cd	Pb	Hg	Cr6+	PBB	PBDE	
	Item	Material	100	1000	1000	1000	1000	1000	Ppm
1	磁铁	N35	ND	ND	ND	Negative	ND	ND	GZ1103028813/CHEM
			OK	OK	OK	OK	OK	OK	2011/03/23
2	U 铁	Fe	ND	ND	ND	Negative	NA	NA	RLSDD000083570001
			OK	OK	OK	OK	NA	NA	2011/06/27
3	华司	Fe	ND	ND	ND	ND	ND	ND	SHAEC1103889401
			OK	OK	OK	OK	OK	OK	2011/04/01
4	音圈	KSV	ND	ND	ND	ND	ND	ND	RLSZC000740530003
			OK	OK	OK	OK	OK	OK	2010/11/24
5	弹波	/	ND	ND	ND	ND	ND	ND	CE/2011/C2776
			OK	OK	OK	OK	OK	OK	2011/12/22
6	端子	/	ND	ND	ND	Negative	ND	ND	CE/2011/12724
			OK	OK	OK	OK	OK	OK	2011/10/20
7	介子	PC	ND	ND	ND	ND	ND	ND	KA/2010/C1777
			OK	OK	OK	OK	OK	OK	2011/01/06
8	胶水	/	ND	ND	ND	ND	ND	ND	CE/2011/35351
			OK	OK	OK	OK	OK	OK	2011/03/28

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**Dimension:**

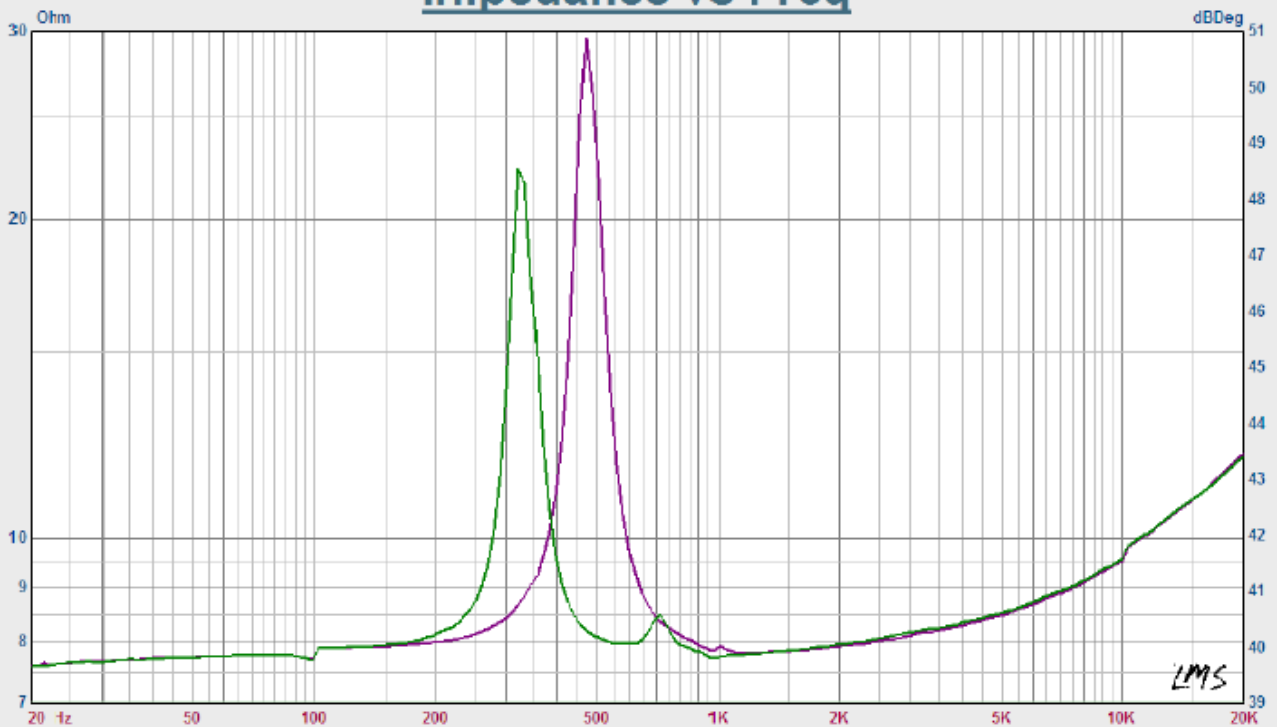


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**Impedance vs Freq**



Map	55: Z=7.60HM 16D09
	57: 0.0006+0.56G
MfzE	Revc=7.500 Ohm Fo=470.857 Hz Sd=8.158 cm²Md=550.010m g
	BL=1.978 Tm Qms=8.016 Qes=2.720 Qts=2.031 No=0.348 % S²Lo=78.8 dB
	Vas=12.820u M² Cms=238.088u MN Krm=6.450u Ohm Ern=1.141
	Mms=479.871m g Mmd=471.084u Kg Kxm=3.684m H Exm=0.585

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