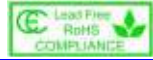




PRODUCT INFORMATION

PART #	CES1260O585KB8FPN151SHP17GR	Revision: 1-2012
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5" OVAL SPEAKER

DESCRIPTION: Challenge Electronics Speaker, 126.0 mm Long, Oval shape, 58.5 mm Wide, 49.0 mm High, **KA** = 11 W maximum power, 8 Ohm, Fe Plated Steel Frame, Paper Cone, NdFeB Ferrite magnet, 151 Hz. (Fo) Resonant Frequency, Shielded, Pins 17 mm long Termination, Gasket for mounting, RoHS Lead Free Compliant.

SPECIFICATIONS

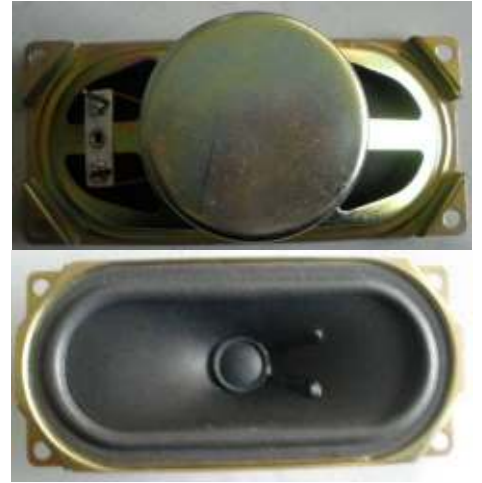
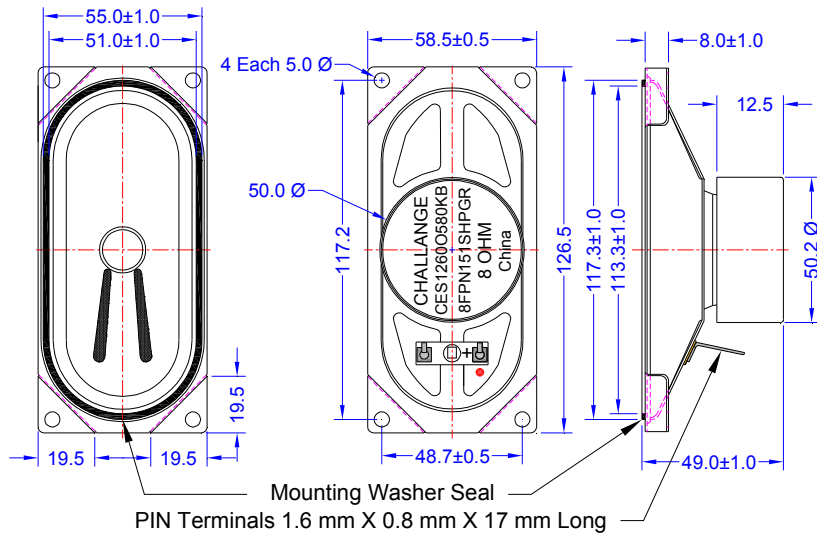
Shape	Oval	Mounting	4 Holes, 7 mm Long, 5 mm Wide, 81.3 mm between holes Horizontal and Vertical					
Impedance	8 Ω ± 15%, at: 1,000 Hz. 1.0 V	DC Resistance	7.2 Ω ± 15%	Rated Power	10.0 W	Maximum Power	11.0 W	
Effective Frequency Band	151 Hz. to 18,000 Hz.		Resonant Frequency (Fo)		151 Hz. ± 20%, at 1.0 V			
Sound Pressure Level	100 ± 3.0 dB(A), at: 1 W, 0.1 m, Average 1,000, 1,200, and 2,000 (Hz), at 25°C, Baffle board (IEC)							
Operating Temperature	-20°C to + 60°C		Storage Temperature		-30°C to +70°C			
Physical Dimensions	Length or Diameter (L /D)	126.5 mm	Width (W)	58.5 mm	Height (H)	49.0 mm		
Distortion	Less than 5% at 1,000 Hz. at 1.0 W.							
Buzz & Rattle	Not be audible at 4 V sine wave between 20 Hz and 10,000 Hz.							
Polarity	When a positive DC Current is applied to the voice coil terminal marked +or red, the diaphragm shall move forward							
Material	Magnet	Two (2) Each, Y20 NdFeB Ferrite, OD 40 mm Ø, ID 22 mm Ø, H 8 mm			Flux Density	± 10% Gauss		
	Frame	Plated Steel		Cone Material	Paper			
	Termination	Pins 1.6 mm X 0.8 mm, 17 mm long (Caution, overheating the terminal may damage connections of voice coil leads)						
	Optional Gasket	Yes, OD 100 mm Ø, ID 95 mm Ø, H 1.2 mm, Plastic						
Speaker Parameters	Qts	2.539	Vas	0.9	BL	1.745 T		
Approximate Weight	210 grams	Shielding	Yes	Compliance	RoHS Lead Free			
Options								

RELIABILITY

Maximum Power Test	With program White-Noise source Maximum Power , 1 minute on, 2 minutes off, 10 cycles, per (EIA) *
Thermal Operating Temperature Test	96 hours continuous operation at Rated Power , at Maximum Rated Operating Temperature *
	96 hours continuous operation at Rated Power , at Minimum Rated Operating Temperature *
Thermal Storage Temperature Test	96 hours at Maximum Rated Storage Temperatures *
	96 hours at Minimum Rated Storage Temperatures *
Thermal Shock Test	<p>5 cycles of Minimum and Maximum Operating Temperature. Each cycle shall be set per diagram below and is three (3) hours long *</p> <div style="text-align: center;"> </div>
Humidity Test	96 Hours at +40°C±2°C. 90-95% RH *
Operation Life Test	Must perform normal with program White-Noise source at Rated Power for 100 Hours per (EIA) *
Insulation Test	A minimum of 1 MΩ, measured with 100 Vdc Insulation Resistance Meter, between the Electrical Terminals and the Transducer Case
Vibration Test	15 minutes at 1.5 mm with 10 to 55 Hz. vibration frequency to each of 3 perpendicular directions *
Termination Strength	Maximum of 9.8 N (1.0 Kg) load pull test, applied to each terminal in axial direction for 10 seconds
Drop Test	Dropped naturally from 1 meter height onto the surface of 40 mm wooden board, 3 axes (X,Y,Z) directions, 3 times (6 times total) *
Reliability Test Performance *	Parts should conform to original performance within ±5 dB tested with Rated Power, after 3 hours of recovery period.
Warranty	For a period of one (1) year from date of shipping under normal operations conditions



DIMENSIONS Units in: mm, Tolerance: ± 0.3 mm unless specified otherwise.



SPL vs. FREQUENCY RESPONSE

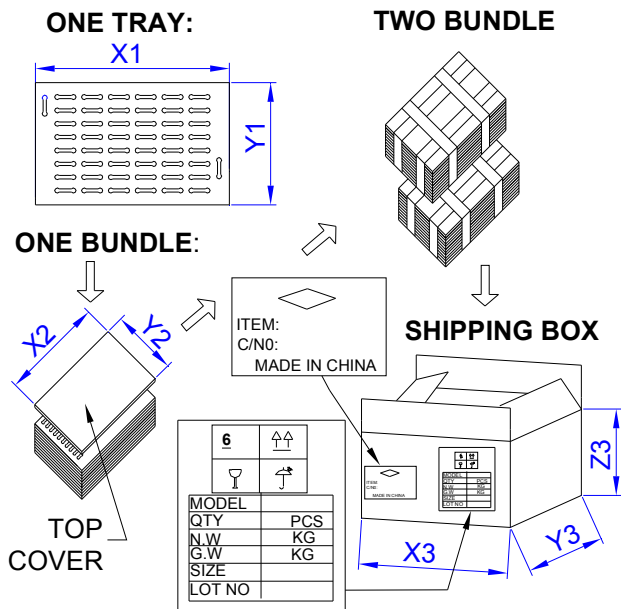
IMPEDANCE vs. FREQUENCY RESPONSE

TEST PROCESS

<p>Standard test condition of speaker</p> <p>Standard Baffle Board Recommended In IEC 268-5 Where 1650mmx1350mm</p>	<p>Test Condition</p> <p>STANDARD Temperature: 15 ~ 35°C Relative humidity: 45% ~ 85% Atmospheric pressure: 860 mbar to 1060mbar</p> <p>JUDGEMENT Temperature : 20±3°C Relative humidity: 60% ~ 70% Atmospheric pressure: 860mbar to 1060mbar</p>	<p>Standard Test Fixture Input Power: 0.1W (0.89V) Zero Level: -dB Mode: TSR potentiometer Range: 50dB Sweep Time: 0.5sec</p> <p>Microphone Distance: X = 100 cm</p>
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PACKAGING



MARKING		TRAY	
Bundle	Dimensions	X1	cm
Customer PN		Y1	cm
Other PN if required		Z1	cm
Quantity	Quantity		
Lot and/or Date Code	BUNDLE		
Bundle Number	Dimensions	X2	cm
Shipping Box		Y2	cm
Customer Part Number		Z2	cm
Other PN (if required)	Quantity		
Quantity	SHIPPING BOX		
Lot and/or Date Code	Dimensions	X3	cm
PO Number		Y3	cm
Net Weight		Z3	cm
Gross Weighjt	Number of Bundles		
Box Number	Quantity		
of Number of Boxes	Approximate Weight		
Made in China			