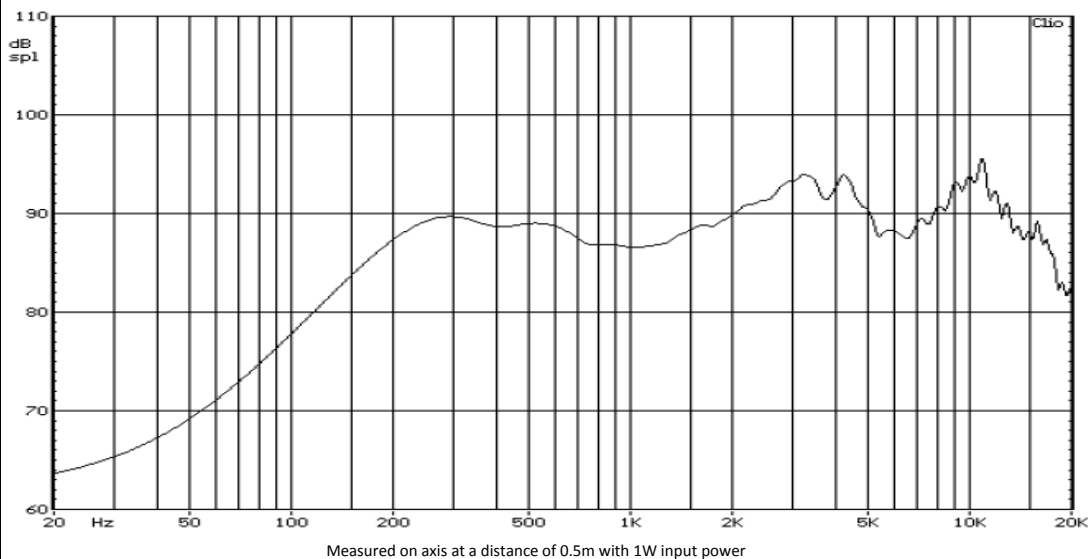


MAIN APPLICATION	TYPE	MAGNET	
Wide Band Audio Speaker	50mm	Material	Magnet Size (Round)
		Ferrite	Ø39x19x6mm

ITEM	SPECIFICATIONS	VALUES	TEST CONDITIONS
1	Dimensions	Ø50mm	per Mechanical Drawings
2	Impedance	8Ω ±15%	1kHz / 1.0V
3	Nominal Power	2.0 Watts	
4	Max Power	4.0 Watts	
5	Resonant Frequency	180Hz ±20%	1.0V
6	Sensitivity (S.P.L.)	88dB ±3dB	1W/0.5m, Average 0.4/0.5/0.6/0.8kHz
7	Frequency Response	180Hz to 20KHz	1W/0.5m; Tolerance Max 20dB
8	THD	5% max	1kHz 2W/0.5m
9	Storage Temperature	-25°C to +80°C guaranteed range for transportation & storage	
10	Polarity	Membrane move forward when positive DC is applied to the '+' terminal	

ITEM	TEST	TEST CONDITIONS	RESULT
11	Rub & Buzz	Rated Power Sin wave (speaker frequency range)	No Buzzes or Rattles.
12	High Voltage Resistance	100VAC / 1mn between terminals and frame.	Must be normal
13	Insulation Resistance	100VDC between terminals and frame.	≥ 1MΩ
14	Load	White Noise at Rated Power for 96h	After 1 hour of rest at room ambient conditions, speakers must meet specs items 2, 5, 6.
15	High Temp.	+70±3°C for 96h (random 20%-50%RH)	
16	Low Temp.	-25±3°C for 96h (random 20%-50%RH)	
17	Humidity	+40±3°C ambient and 90%RH for 96h	

### Typical Frequency Response

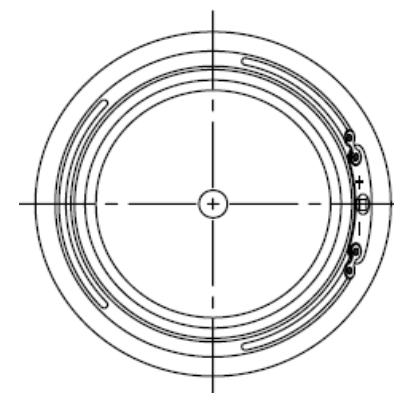
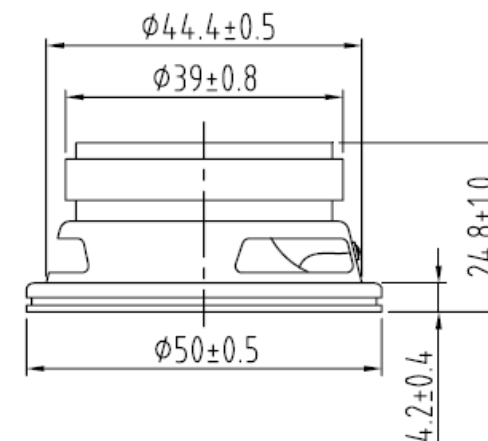


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GASKET	MEMBRANE	BASKET	WEIGHT	REMARKS
EVA+Paper	Paper	Metal	77±5g	Wide Band, Front gasket

PACKAGING	SPECIFICATIONS	
Carton size:		
Qty/Carton:		
Gross Weight:		

### Mechanical Drawings (units: mm)



		Part n°	
		<b>SOC50S24D8G-1</b>	
REV	DATE	SHEET	RoHS Compliance
0.1	10/07/2011	1 of 1	Yes