


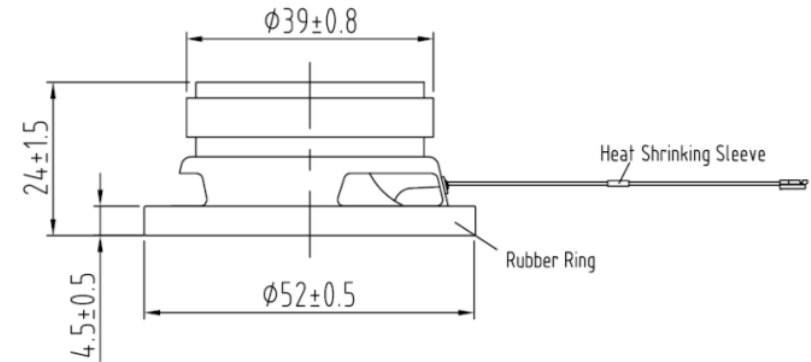
MAIN APPLICATION	TYPE	MAGNET	
		Material	Magnet Size (Round)
Wide Band Audio Speaker	50mm	Ferrite	$\varnothing 39 \times 19 \times 6 \text{mm}$

GASKET	MEMBRANE	BASKET	WEIGHT	REMARKS
Rubber ring 52mm	Paper	Metal	77.5±5g	Wide Band cable + connector

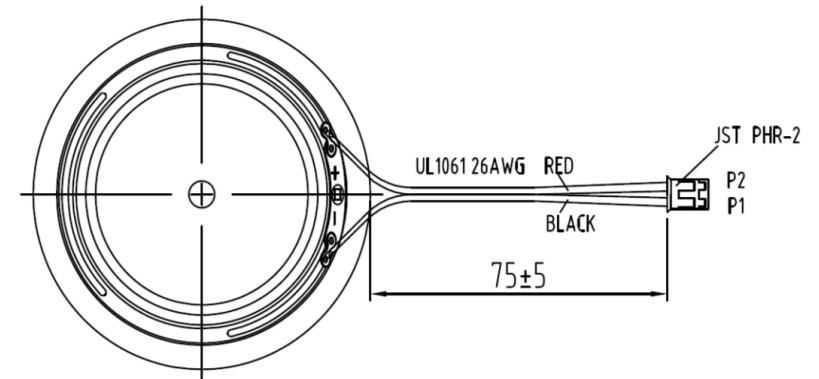
ITEM	SPECIFICATIONS	VALUES	TEST CONDITIONS
1	Dimensions	$\varnothing 50 \text{mm}$	per Mechanical Drawings
2	Impedance	$8\Omega \pm 15\%$	1kHz / 1.0V
3	Rated Power	2.0 Watts	RMS
4	Max Power	4.0 Watts	Peak
5	Resonant Frequency	180Hz ±20%	1.0V
6	Sensitivity (S.P.L.)	88dB ±3dB	1W/0.5m, Average 0.4/0.5/0.6/0.8kHz
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	

PACKAGING	SPECIFICATIONS	
Carton size:	tbd	
Qty/Carton:	100pcs	
Gross Weight:	tbd	

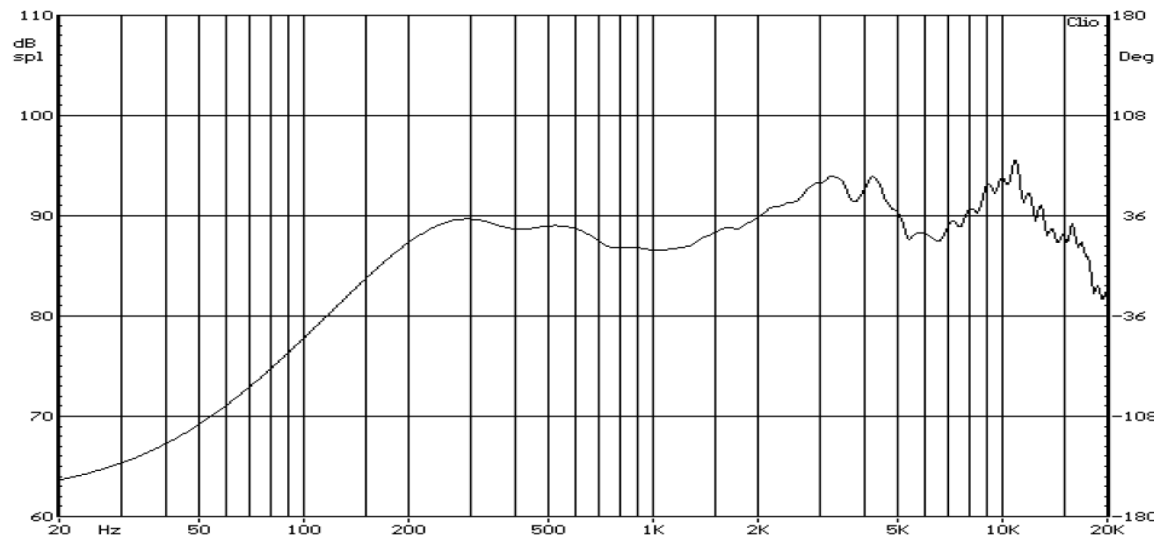
Mechanical Drawings (units: mm)



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.	$\geq 1M\Omega$
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



Measured on axis at a distance of 0.5m with 1W input power

Part n°			
SOC50C24D8R			
REV	DATE	SHEET	RoHS Compliance
0,2	01/08/2017	1 of 1	Yes