SPECIFICATION FOR APPROVAL

Product	MAGNETIC BUZZER				
Part No.	SEM-1212S (RoHS)				
Customer					
Approval					

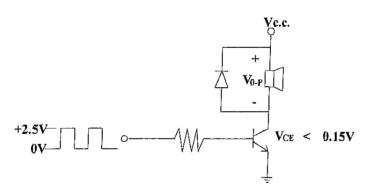
Approved By	Checked By	Made By
ERIC WANG	DAVID LIU	JOHN HSU
MAY-11-2007	MAY-11-2007	MAY-11-2007



SEM-1212S (RoHS)

	Items	Units		Spe	cificatio	ns	Conditions
01	Rated Voltage	Vo-p	12.0		·	Vo-p 0V	
02	Operating Voltage	Vo-p	8~16				
03	Mean Current	mA (Max)	40			Applying rated voltage, rated frequency Square wave, 1/2 duty subject to standard state.	
04	Direct Current Resistance	Ohm	140± 21.0				
05	Sound Output	dBA (min)	85			Distance at 10cm, applying rated voltage, rated frequency square wave, 1/2duty subject to standard state.	
06	Rated Frequency	Hz	2400± 200				
07	Operating Temp.	°C	-40 ~ +85				
08	Storage Temp.	°C	-50 ~ +95				
09	Dimension	mm	Φ	12	Height	9.5	See attached drawing.
10	Weight	Gram	2.0				
11	Terminal		Two Pins			See attached drawing.	

Standard Drive Circuit:



XStandard Conditions:

Temperature 15 ~ 35°C

Humidity 25~80 %

Air pressure 860 ~ 1060 HPa.

If the result is doubtful, should retested with the conditions below:Temp. $20\pm2^{\circ}$ C, Humidity $60\sim70$ %, Air pressure $860\sim1060$ HPa.

Note: As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvend, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enter it.



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RELIABILITY TEST

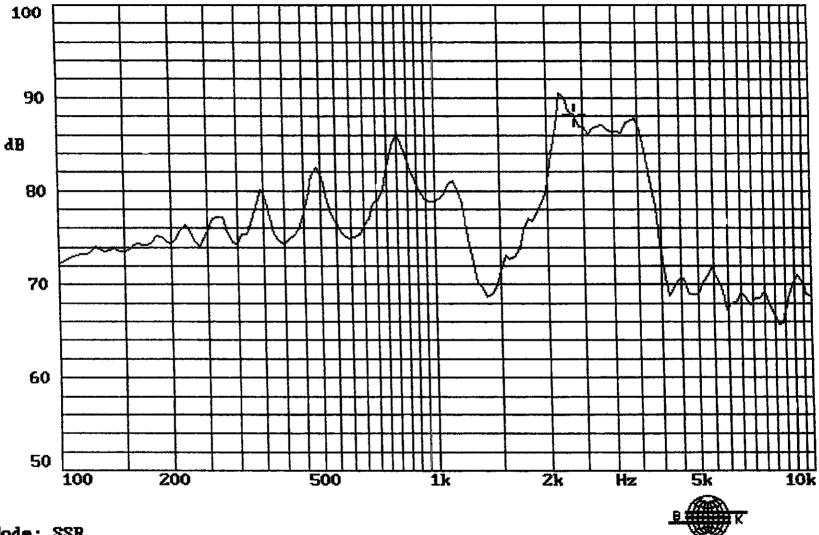
SEM-1212S(RoHS)

	Item	Test conditions	Evaluation standard
01	High temp. Storage life	The part shall be capable of withstanding a storage Temperature of 95°C for 96 hours.	
02	Low temp. Storage life	The part shall be capable of withstanding a storage Temperature of -50°C for 96 hours.	After the test the part shall meet specifications without Any degrance and performance except S.P.L S.P.L shall be 77dB or more.
03	Temp.cycle	The part shall be subjected 10 cycles. One cycle shall consist of; 95°C -50°C 30min 30min 60min	
04	Temp./Humidity cycle	The part shall be subjected 10 cycles. One cycle shall be 8 hours and consist of; 95°C a b c 2.5hrs 3.0hrs 2.5hrs a,b:90~98%RH c:80~98%RH	



	Item	Test conditions	Evaluation standard	
05	Vibration	SEM-1212S(RoHS)		
06	Fixed drop	The part shall be mounted on 100g jig(standard pc board) and dropped from a height of 152cm onto a concrete floor 5 times in each 6 planes. (a total of 30 times)	After the test the part shall meet specifications	
07	Free drop	of 75cm onto a 40mm thick wooden board 3 times in 3 axes (X.Y.Z).	without Any degrance and performance except S.P.L	
08	Operating life	1. Ordinary temperature	S.P.L shall be 77dB or more.	





Mode: SSR



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