DATE	08-12-11	SDECIFICATION			
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MODEL NAME: SM BUZZER 7525 SMT					
			<u>SCHMID-</u>		

SPECIFICATION FOR APPROVAL SMD ELECTRO-MAGNETIC TRANSDUCER

Model Name	SM BUZZER 7525 SMT
Note	RoHS Compliant

CUSTOMER	
	DRAWN:
	CHECKED:
	APPROVED:

DATE	08-12-11	SDECIFICATION		
PAGE	2/7	SPECIFICATION		
MODEL NAME: SM BUZZER 7525 SMT				

SMD ELECTRO-MAGNETIC TRANSDUCER

1	Model No.	SMT7525	
2	Rated Voltage (V)	3.6	
3	Operating Voltage (V)	2.5~4.5	
4	Coil Resistance (Ω)	15 ± 3	
5	Resonant Frequency (Hz)	2700	
6	*Sound Output at 10cm (dB)	≥85	
7	*Current Consumption (mA)	≤100	
8	Operating Temperature (°C)	-20~+70	
9	Storage Temperature (°C)	-30~+80	
10	Case material and colour	LCP / Black	

*Applying rated voltage (Resonant frequency, 1/2 duty, Square wave)

DIENSIONS (UNIT: mm)

Tolerance: ± 0.5 mm Except Specified





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MODEL	NAME: S	M BUZZER 7525 S	MT	<u>schmid-M</u>

TEST METHOD:



FREQUENCY RESPONSE:



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SPECIFICATION

MODEL NAME: SM BUZZER 7525 SMT SCHMID-M

RELIABLY TEST:

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	High temp. storage life	The part shall be capable of withstanding a storage temperature is $+80^{\circ}$ C for 120 hours	
2	Low temp. storage life	The part shall be capable of withstanding a storage temperature is -30° C for 120 hours	
3	Temp. Cycle	Total 5 cycles, 1 cycle consisting of $-30\pm2^{\circ}$ C, 30 minutes $20\pm5^{\circ}$ C 15 minutes $80\pm2^{\circ}$ C, 30 minutes $20\pm5^{\circ}$ C 15 minutes	
4	Humidity Test	30 ± 2 °C, $90\sim95$ % RH, 120 hours	After the test the part shall
5	Vibration Test	The part shall be subjected to a vibration cycle is 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm(9.3g). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.	meet specifications without any degradation in appearance and performance except SPL shall be initial value \pm 10dB or more.
6	Shock	Sounder shall be measured after being applied shock (980m/s ²) for each three mutually perpendicular directions to each of 3 times by half sine wave.	
7	Drop Test	Dropped naturally from 700mm height onto the surface of 10mm thick wooden board. 2 directions-upper and side of the part are to be applied.	
8	Lead pull	The part shall be pushed with a force of 9.8N for 10 ± 1 seconds behind the part.	After the test part shall meet specifications without any degradation in appearance and performance.
9	Recommended temp. Profile for Reflow Oven	Shown in Fig.1	

Warranty:For a period of one year from date of manufcture under normal operations



Recommended Temp. Profile for Reflow Oven (Fig.1)





PACKING:





PACKING:



NOTES:

1.1000 PCS per box

- 2.Total 10 boxes per carton
- 3.Total 10000 PCS carton