



**MODEL:** GT-1206A  
**PRODUCT:** Electro Magnetic Buzzer  
**EDITION:** A/2016

**THIS SPECIFICATION APPLIES TO THE MAGNETIC BUZZER**

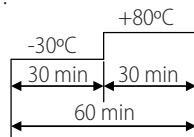
**SPECIFICATION**

Test condition: TEMP=+25±2 °C Related humidity=65±5% Air pressure:860-1060mbar

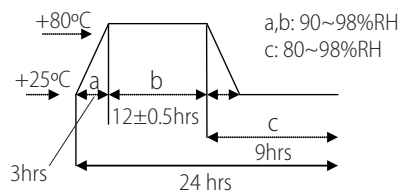
item	unit	specification	condition
rated voltage	Vo-p	1.5	
operating volt	Vo-p	1.0 ~ 2.0	
mean current	mA	15 Max	At rated voltage 2700Hz square wave, 1/2 duty
coil resistance		50±15%	
sound output	dBA	75	At 10cm(A-weight free air), at rated voltage 2700Hz, square wave, 1/2duty
rated frequency	Hz	2700	
operating temp	°C	-20 ~ +60	
storage temp	°C	-30 ~ +80	
dimension	mm	φ12.0×H6.4	See attached drawing
weight	gram	1.6	
material		PPO(Black)	
terminal		Pin type (Plating Sn)	See attached drawing
environmental protection regulation		RoHS	

**ENVIRONMENT TEST**

item	test condition	evaluation standard
high temp. test	After being placed in a chamber at +80°C for 96 hours.	After the test the part will meet specifications without any degradation in appearance and performance except SPL. after 4 hours at +25°C. The SPL will be in ±10dBA compared with initial one.
low temp. test	After being placed in a chamber at -30°C for 96 hours.	
thermal shock	The part will be subjected to 10 cycles. One cycle shall consist of:	



temp./humidity cycle	The part will be subjected to 10 cycles. One cycle shall be 24 hours and consist of:
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**RELIABILITY TEST**

item	test conditions	evaluation standard
operating life test	ORDINARY TEMPERATURE The part will be subjected to 96 hours of continuous operation at room temperature (+25±10°C)	After the test the part will meet specifications without any degradation in appearance and performance except SPL. after 4 hours at +25°C. The SPL would be in ±10dBA compared with initial one.
	HIGH TEMPERATURE The part will be subjected to 72 hours of continuous operation at +60°C with 1.5V , 2700Hz applied.	
	LOW TEMPERATURE The part will be subjected to 72 hours of continuous operation at -20°C with 1.5V, 2700Hz applied.	

**TEST CONDITION**

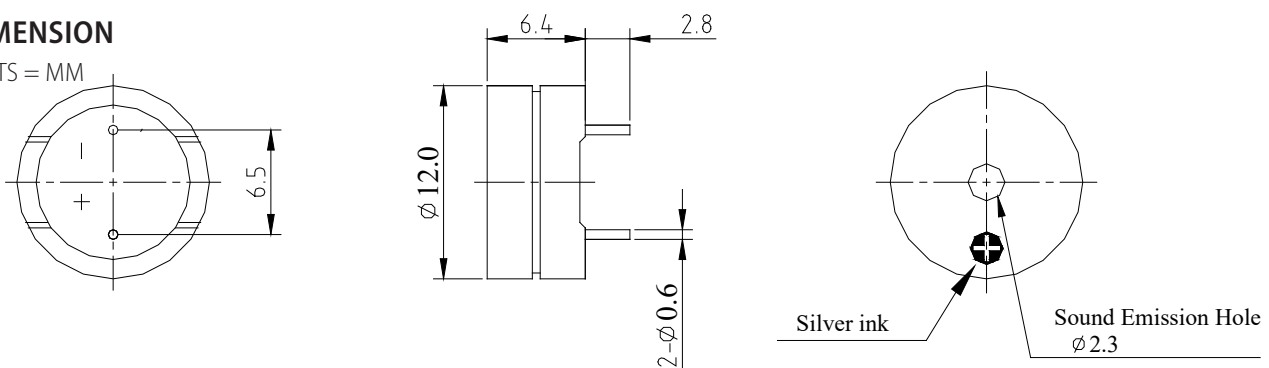
Standard Test Condition : a)Temperature: +5~+35°C b)Humidity:45~85% c)Pressure: 860~1060mbar

**MECHANICAL CHARACTERISTICS**

item	test condition	evaluation standard
solderability	Lead terminal are immersed in rosin for 5seconds and then immersed in solder bath of +260±5°C for 3±0.5 second	90% min. lead terminals will be wet with solder No interference in operation
soldering heat resistance	Lead terminal are immersed in soldering bath of +260±5°C for 3±0.5 second.	
terminal mechanical strength	Apply the terminal with 1 KG of tension for 1 minute	No damage and cutting off
vibration	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute. Total peak amplitude will be 1.52mm(9.3G). The vibration test shall consist of 2 hours per axis in each three axes(X,Y,Z). Total 6 hours.	After the test the part will meet specifications without any damage in appearance and performance except SPL.SPL would be in ±10dBA compared with initial one.
drop test	The part only will be dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes(X,Y,Z). Total of 9 times.	

**DIMENSION**

UNITS = MM



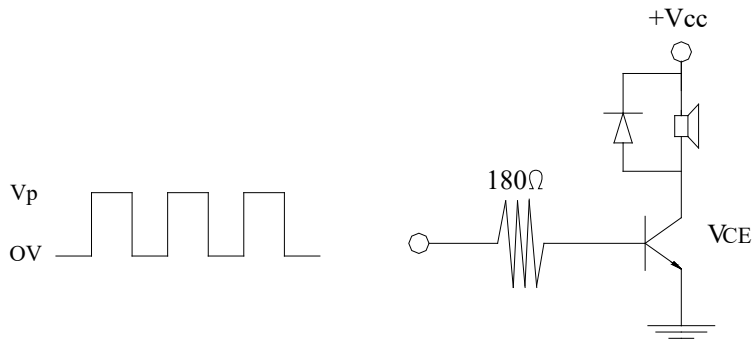
Tolerance:±0.5 Unit:mm



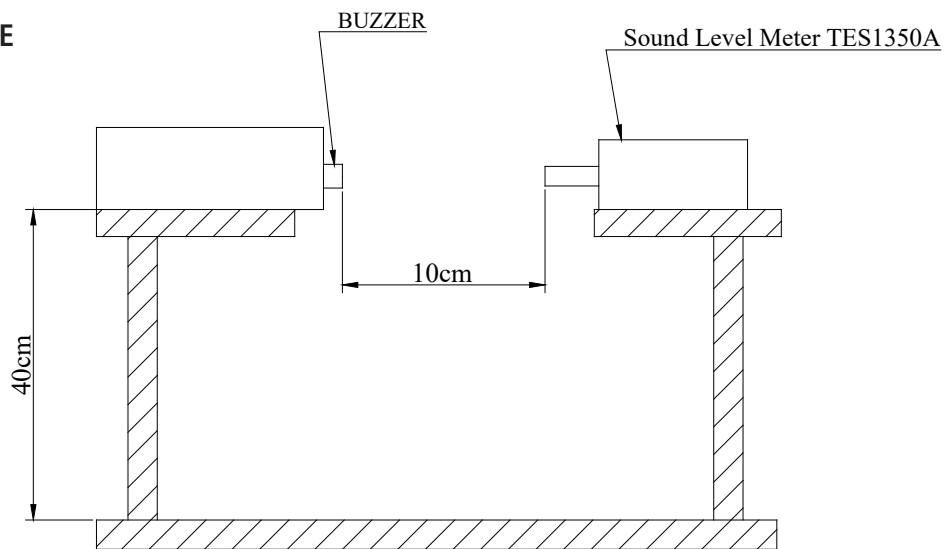
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Soberton Inc.

### MEASUREMENT TEST CIRCUIT



### INSPECTION FIXTURE



### PACKING

