

Data Sheet

Customer:	
Part No:	GTG-5020A
Sample No:	
Description:	BUZZER
Item No:	

Customer				
Check	Inspection	Approval	Date	



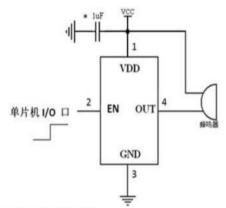
General specification

	ltem	Spec	Condition	
1	Rated voltage	5Vo-p		
2	Operation voltage	1-25Vo-p		
3	Sound Pressure Level=SPL	Min 85dB		
4	Current	Max3mA	Standard State,Standard Drive Circuit . Rated voltage,Distance at 0.1m	
	Capacitance	12000±30% pF		
5	Oscillation frequency	4000±500Hz		
6	Operating Temperature	-20∼+70℃	SPL ≥75dB	
7	Storage temperature	- 30∼+80° ℃		
8	Externals size (mm)	11X9X1.7	Refer to the attached drawing	
9	Mass	0.3g		
10	Housing Material	LCP		

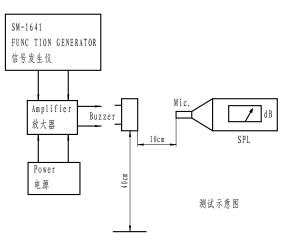
Electrical And Acoustical Measuring Condition

Recommended Driving Circuit

Resonant frequency, 1/2 duty cycle. Square wave. Signal amplitude should be large enough tosaturate the transistor.



Recommended Setting





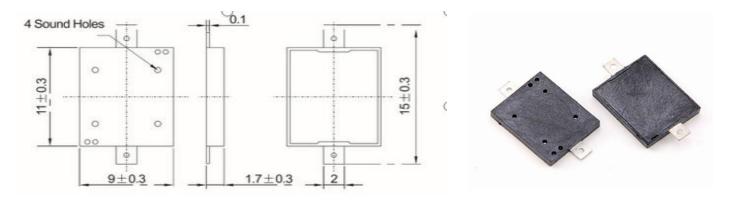
Reliability Test

	ability lest			
	ITEM	TEST		
1	High Temperature Test	After being placed in a chamber with $+80\pm2$ °C for 96 hours and then being placed in normal condition for 2 hours		
2	Low Temperature Test	After being placed in a chamber with $-20\pm2^{\circ}$ C for 96 hours and then being placed in normal condition for 2 hours		
3	Humidity Test	40 ^{°C} 90-95%RH 25 ^{°C} 90-95%RH 5 Hrs 0.5 Hrs 6 Hrs 0.5 Hrs 12 Hrs 1 Cycle		
4	Temperature Cycle Test	+70 °C (+3 °C/-0 °C) +20 °C (+10 °C/-5 °C) (+0 °C/-3 °C) 30 min 15 min 30 min 15 min 90 min 1 Cycle		
5	Vibration Test	9.8G Peak to Peak(Amplitude)P-P 1.52mm 0.3G 10Hz 55Hz		
6	Drop Test	Drop on a hard wood board of 40mm thick, any directions, three times , at the height of 70cm		
7	Terminal Strength Pulling	The force 5 seconds of 1.0kg is applied to each terminal.		
8	Solder ability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $255\pm5^{\circ}$ for 3 ± 0.5 seconds.		
9	Soldering Test	Temp. (°C) 4°C/sec Max. 265°C 265°C 250°C max. 245°C 250°C max. 250°C max. 180 ± 10°C 90 ± 30sec 10 sec. Max.		

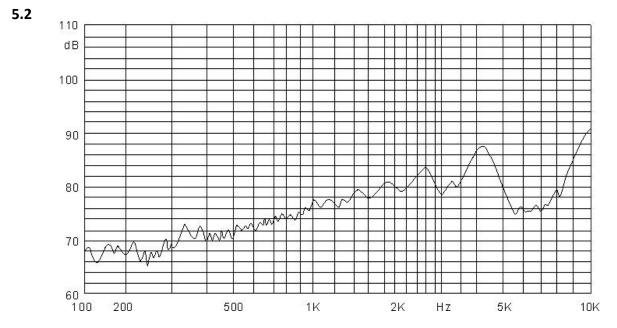


GTG-1109A

Dimension



*Unit: mm; Tolerance: \pm 0.3mm Except Specified *Housing Material: Black LCP





3.Vo-p 50% duty Square wave,10cm

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