

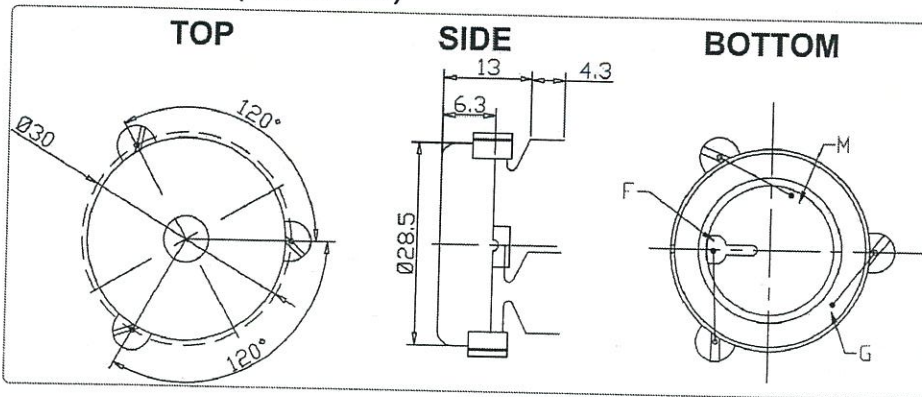
SCOPE: This specification applies Panel Mount Piezo buzzer TRTP-3039FPS

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*MIN SOUND PRESSURE LEVEL AT 30 CM	80	dB
RATED VOLTAGE	12	Vdc
OPERATING VOLTAGE	3 - 28	Vdc
RESONANCE FREQUENCY	3,000 ± 500	Hz
*TYPICAL OPERATING CURRENT	8	mA
OPERATING TEMPERATURE	-20 to +60	°C
STORAGE TEMPERATURE	-30 to +70	°C
HOUSING	ABS	-
WEIGHT	3.2	g

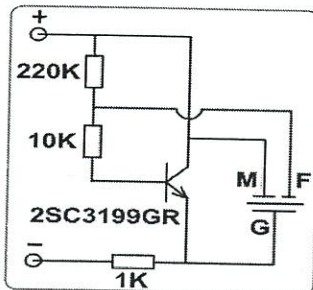
*Value applying rated voltage with recommended circuit

2. DIMENSIONS (unit in mm)



Tolerance: ±0.5mm except specified

3. RECOMMENDED CIRCUIT



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Transducers USA
1400 Howard Street
Elk Grove, IL 60007
Toll Free: 888-921-6400 FAX: 847-956-1950
www.tusainc.com info@tusainc.com

All dimensions are in MM unless otherwise specified

Drawing Number: TRTP-3039FPS	Self Drive Piezo Buzzer 1 of 2
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3. RELIABILITY TEST

Testing Criteria

All specifications (in page 2) must be satisfied after below tests.

(Recovery: 2 to 4 hrs of recovery under the standard condition after the removal from test chamber.)

1) Life Test

At 12 Vp-p, 1 minutes ON 1 minutes OFF in room temperature continuously for 48 hours.

2) Temperature Test

a) High Temperature

Exposure at $+70 \pm 3^\circ\text{C}$ for 48 hours(Non-Functioning); Exposure at $+60 \pm 3^\circ\text{C}$ for 48 hours(Functioning)

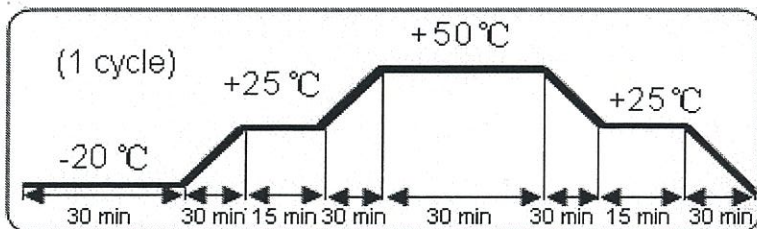
b) Low Temperature

Exposure at $-30 \pm 3^\circ\text{C}$ for 48 hours(Non-Functioning); Exposure at $-20 \pm 3^\circ\text{C}$ for 48 hours(Functioning)

3) Humidity Test

Exposure at $+40 \pm 3^\circ\text{C}$ and 90%-95% relative humidity for 48 hours.

4) Thermal Shock Test



Exposure to above temperature cycle for 5 times.

5) Drop Test

Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied.

6) Vibration Test

Frequency: 10~55~10Hz Oct/min ,Amplitude: 1.5mm Duration: 2 hours in each 3 axes.

7) Shock

980m/s² (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each.

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<p>Drawing Number: TRTP-3039FPS</p>	<p>Self Drive Piezo Buzzer 2 of 2</p>
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