

Description

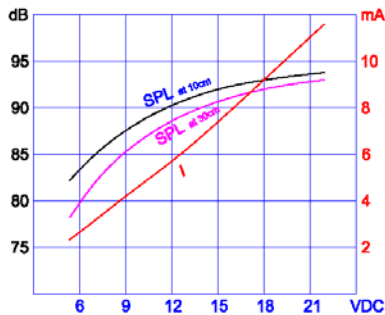
Chinasound Piezo Transducer , self driven type with Feedback piezo disc, 23mm diameter, type E(=10mm height), 9VDC rated voltage – 3.0KHz resonant frequency, RoHS compliant

- ◆ RoHS compliant
- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Flame Retardant Plastic

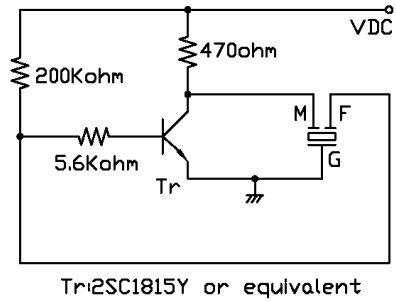
Picture



Characteristics



Driving Circuit

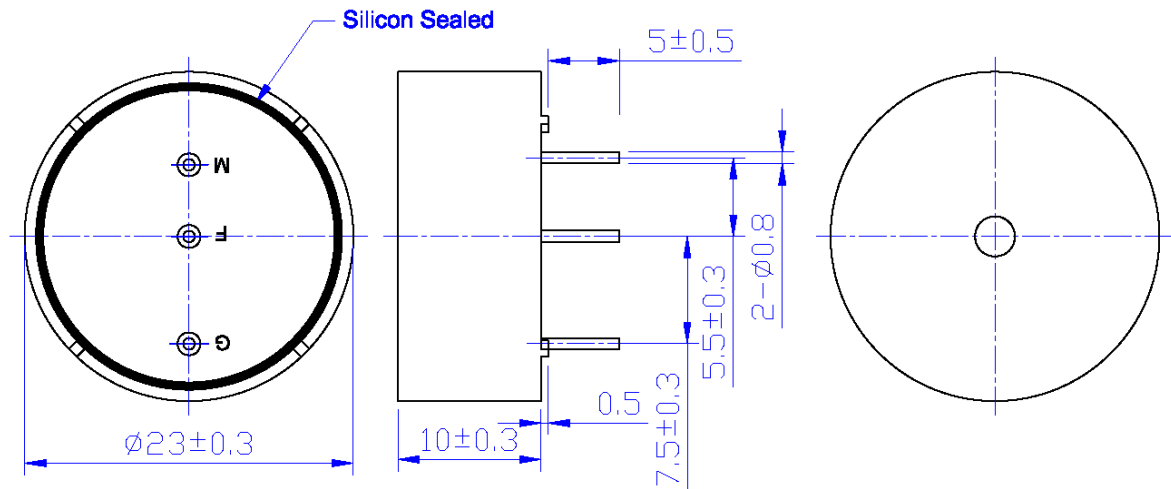


Specification

Rated Voltage	9 VDC
Operating Voltage	6~15 VDC.
Operating Frequency	3,000+/-500Hz
Typical Sound Output	85dB min. at 9VDC 10cm 25 °C
Rated Current	10 mA at 9VDC 25 °C
Capacitance	20,000+/-30% pF at 100Hz 1Vrms
Operating Temp.	-40 °C to +85 °C
Storage Temperature	-40 °C to +90 °C
Termination	Description 3 soldering pins, Sn plated Brass
	Termination Strength Maximum of 9.8N (1kgs) for 10 seconds load pull test
Construction Materials	Case Plastic, Noryl PX9406 or equal
	Diaphragm Brass Disc
Weight (Typical)	3.4 g
Reliability	*Life Test At 9 VDC in room temperature, continuously for 1000 hours
	*High Temperature No function at +90+/-2 °C for 240 hours; Function at +85+/-2 °C for 240 hours
	*Low Temperature No function at -40+/-2 °C for 240 hours; Function at -40+/-2 °C for 240 hours
	*Humidity +40+/-2 °C, 95+/-5%RH, 240 hours
	*Thermal Shock -40+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr → +85+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr. Temperature Go up or Drop time is 0.5 hr. 3 hrs per 1 cycle. Total is 5 cycles
	*Vibration 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours
	*Shock 980m/s ² (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each
	*Drop Test Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied
	*Soldering Heat Resistance Samples put through reflowing soldering oven 2 twice
Warranty	For a period of one (1) year from date of manufacture under normal operations

* All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber).

Dimensions (Unit:mm)



All specifications are subject to change without notice

Composed by: Guo J/080603 Checked by: Gong YS, Zhu YC/080603 Approved by: Wang Z/080603



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Revisions History

Version Number	Description	Name
080603	Original, CPF23E09-3.0R	Guo Jun

Composed by: Guo J/080603 Checked by: Gong YS, Zhu YC/080603 Approved by: Wang Z/080603

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