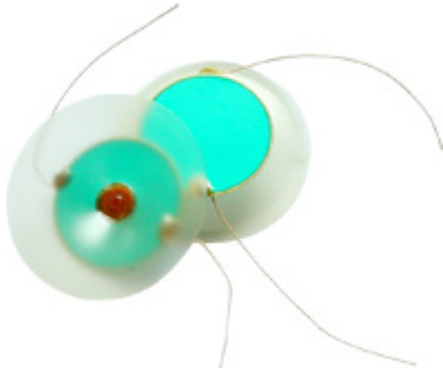


Description

Challenge Piezo disc with Diaphragm 48mm diameter, type B (=10mm height max.) 10Vp-p – 2.3KHz resonant frequency- Wire length 70mm RoHS compliant

- ◆ Reliable Solid State Piezoelectric Technology
- ◆ High Sound Output
- ◆ Light

Picture



Specification

- Resonant Frequency
- Resonant Impedance
- Capacitance at 100Hz
- Input Voltage
- Insulated Resistance
- Operating Temperature
- Storage Temperature
- Termination
- Construction Materials

- Weight (Typical)
- Reliability

Description
Case
Diaphragm

- *High Temperature
- *Low Temperature
- *Humidity

*Thermal Shock

*Vibration

*Shock

*Drop Test

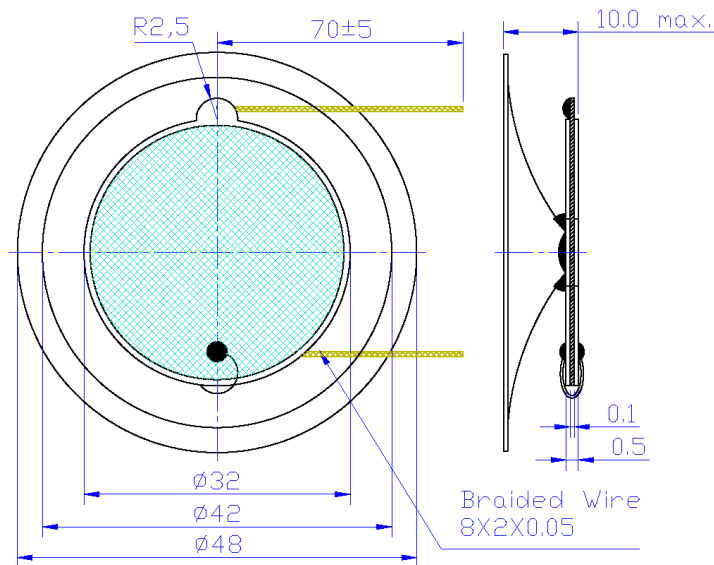
*Soldering Heat Resistance

2,300+/-500Hz
100 Max. ohm
240,000+/-30% pF at 100Hz 25 °C
30Vp-p Max., square wave
50M ohm Min.
-20 °C to +60 °C
-30 °C to +70 °C
Braided wires
No
PEI
2.8 g
no function at +70+/-2 °C for 240 hours, function at +60+/-2 °C for 240 hours,
no function at -30+/-2 °C for 240 hours, function at -20+/-2 °C for 240 hours,
+40+/-2 °C, 95+/-5%RH, 240 hours
-20+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr → +60+/-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
1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular
directions for 2 hours
980m/s² (=100g) shock for each mutually perpendicular directions, half sine
wave, 3 times each
Dropped naturally from 750mm height onto the surface of 10mm wooden
board. 2 directions – upper and side of the part are applied
Soldering Temperature: 260 °C for 3 seconds
For a period of one (1) year from date of manufacture under normal operations

Warranty

* 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).
**90% min. soldering pads shall be with solder.(except the edge of pad)

Dimensions (Unit:mm)



All specifications are subject to change without notice

Composed by: William Wang/130513 Checked by: Gong Sam/130513 Approved by: Jack Guo/130513



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Revisions History

Version Number	Description	Name	Date
060317	Original CPD48B10-2.3-W70R	Jack Guo	2006-03-17
SP1.12.001-A1	Update the description of version	William Wang	2013-05-13

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