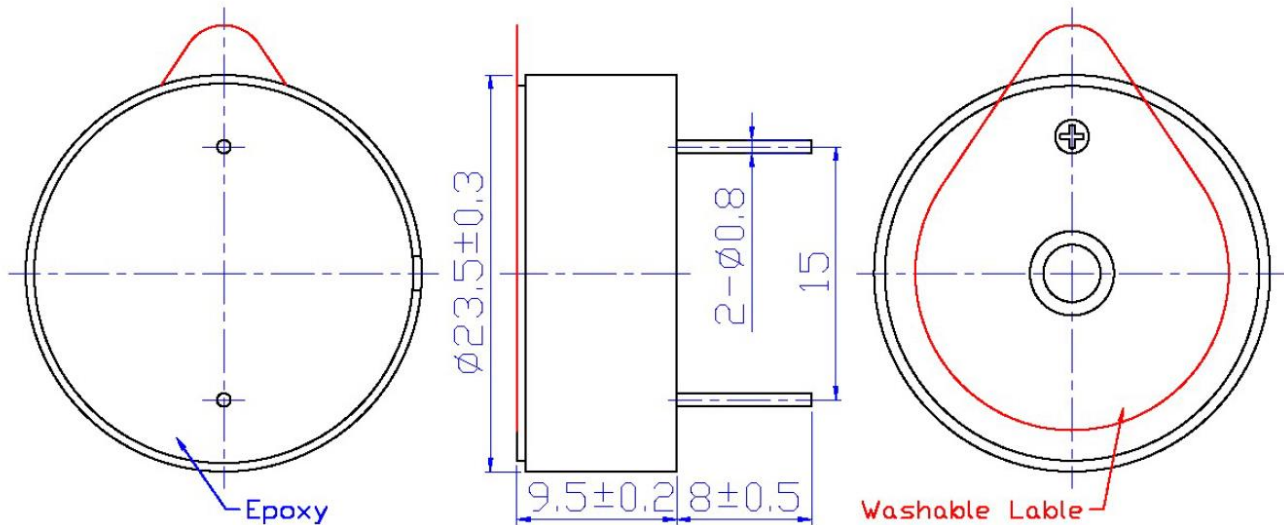


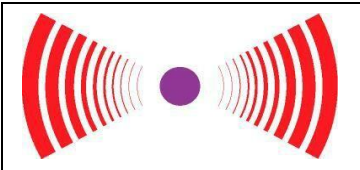
**SCOPE:** This specification applies to TRIP-2412P(G)  
**Specification**

<p>Operating Mode          Operating Voltage          Operating Voltage          Operating Frequency          Sound Output          Operating Current          Operating Temperature          Storage Temperature          Termination          Construction Materials          Weight (Typical)          Reliability</p>	<p>Description          Termination Strength          Case          Diaphragm          *Life Test          *High Temperature          *Low Temperature          *Humidity          *Thermal Cycle          *Vibration          *Shock          *Drop Test          *Soldering Heat Resistance          **Solderability</p>	<p>Continuous Tone          12 Vdc          3 to 20 Vdc          3,600+/-500Hz          90dB(A) min. (98 dBA typ.) at 12Vdc 10cm 25 °C          12mA max. at 12Vdc          -40 °C to +85 °C          -40 °C to +90 °C          2 PC pins, electro-tin plated brass          Maximum of 9.8N load pull test, applied to each terminal in axial direction for 10 seconds          Plastic, Noryl PX9406 (Black) made by GE Plastics, UL 94-V0 (UL No.: E207780)          Brass Disc          5 g          At rated voltage in room temperature, 1 cycle = 1 min. ON 4 min. OFF, continuously for 1000 hours.          No function at +90+/-2 °C for 240 hours; Function at +85+/-2 °C for 240 hours          No function at -40+/-2 °C for 240 hours; Function at -40+/-2 °C for 240 hours          +60 +/-2 °C, 90-95%RH, 120 hours          -40+/-2 °C 1 hr → +20 +/-2 °C 5 min. → +85+/-2 °C 1 hr → +20+/-2 °C 5 min. 5 cycles          1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours          980m/s<sup>2</sup> (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each          Dropped naturally from 700mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied          Pins are immersed up to 1.5mm from sounder's body in solder bath of 350+/-5 °C for 3+/-0.5 seconds or 260+/-5 °C for 10+/-1 seconds          Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of 350+/-5 °C for 3+/-0.5 seconds.</p>
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**Dimensions** (Unit: mm)



**Transducers USA**  
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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](http://www.tusainc.com) info@tusainc.com

All dimensions are in MM unless otherwise specified

Drawing Number:  
 TRIP-2412P(G)

**Piezo Internal  
 Audio Transducer**

Date:  
 6/26/2017

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