



Description **SGSC-SPT17G03-20F:**

SMD Piezo Transducer 17mm length, type G(=9,8mm height,
3Vp-p rated voltage – 2.0KHz resonant frequency,
lead Free reflowing solderable and RoHS compliance

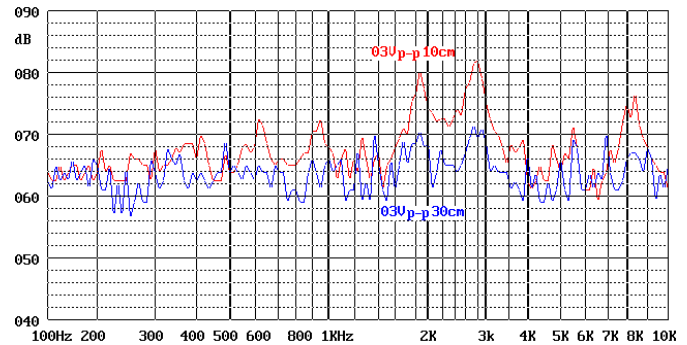
- RoHS compliance

- Reliable Solid State Piezoelectric Technology
- Corrosion Resistance Diaphragm
- Flame Retardant Plastic
- Wave solderable

Picture



Frequency Response Curve



Specification

<p>Operating Voltage</p> <p>Operating Frequency</p> <p>Typical Sound Output</p> <p>Rated Current</p> <p>Capacitance</p> <p>Operating Temperature</p> <p>Storage Temperature</p> <p>Termination</p> <p>Description</p> <p>Construction Materials</p> <p>Case</p> <p>Diaphragm</p> <p>Weight (Typical)</p> <p>Reliability</p> <p>*Life Test</p> <p>*High Temperature</p> <p>*Low Temperature</p> <p>*Humidity</p> <p>*Thermal Shock</p> <p>*Vibration</p> <p>*Shock</p> <p>*Drop Test</p> <p>*Soldering Heat Resistance</p> <p>**Solderability</p> <p>Warranty</p>	<p>3 Vp-p max.</p> <p>2,000+/-500Hz</p> <p>70dB min. at 3Vp-p 10cm 2.0KHz 25 °C</p> <p>1mA at 3Vp-p 2.0KHz 25 °C.</p> <p>34,000+/-30% pF at 100Hz 1Vrms</p> <p>-30 °C to +85 °C</p> <p>-40 °C to +90 °C without package</p> <p>2 soldering pads, Sn plated Brass</p> <p>Plastic, Noryl PX9406 (Black) made by GE Plastics, UL 94-V0 (UL No.: E207780)</p> <p>Brass Disc</p> <p>1.0 g</p> <p>At 3 Vp-p, 1 minutes ON 1 minutes OFF in room temperature continuously for 1,000 hours</p> <p>No function at +90+/-2 °C for 240 hours; Function at +85+/-2 °C for 240 hours</p> <p>No function at -40+/-2 °C for 240 hours; Function at -30+/-2 °C for 240 hours</p> <p>+40+/-2 °C, 95+/-5%RH, 240 hours</p> <p>-30+/-2 °C 0.5 hr +25+/-2 °C 0.25 hr +85+/-2 °C 0.5 hr +25+/-2 °C 0.25 hr.</p> <p>Temperature Go up or Drop time is 0.5 hr. 3 hrs per 1 cycle. Total is 5 cycles</p> <p>1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours</p> <p>980m/s2 (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each</p> <p>Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied</p> <p>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</p> <p>Pins are immersed in rosin for 5 seconds and then immersed in solder bath of 350+/-5°C for 3+/-0.5 seconds.</p> <p>For a period of one (1) year from date of manufacture under normal operations</p> <p>*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)</p>
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Dimensions (Unit: mm)

