# QUARTZ CRYSTALS MHz range SMD-version

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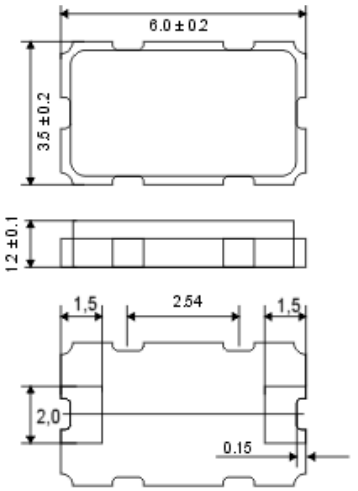
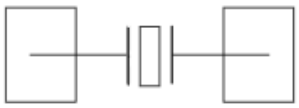
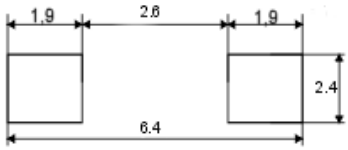
|---|---|
| model | KX – 12B |
| frequency range | 8,0 ~ 50,0 MHz |
| mode | fundamental, 3rd overtone upon request |
| operating temperature | standard -20° ~ + 70°C<br>available -40° ~ + 85°C (= KX-12BT)<br>available -40° ~ +105°C (= KX-12BE) |
| frequency tolerance at +25°C | ± 30 ppm |
| temperature tolerance<br>-20° ~ + 70°C<br>-40° ~ + 85°C<br>-40° ~ +105°C | <br>standard ± 50 ppm, available ± 10 ~ ± 30 ppm<br>standard ± 100 ppm, available ± 30 ~ ± 50 ppm<br>standard ± 120 ppm, available ± 50 ~ ± 80 ppm |
| load capacitance $C_L$ | standard 16 pF<br>available 12 ~ 20 pF |
| series resonance $R_1$ max. | 8,0 ~ 9,79 MHz 150 Ohm<br>9,8 ~ 11,99 MHz 80 Ohm<br>12,0 ~ 50,0 MHz 40 Ohm |
| aging ( first year ) | ± 5 ppm |
| shunt capacitance $C_0$ max. | 7,0 pF |
| drive level in mW | 0,05 |
| contents of reel | 1000 pcs. |
| RoHS | since production start |
| part no. | 12.87700 ~ 12.87799 |

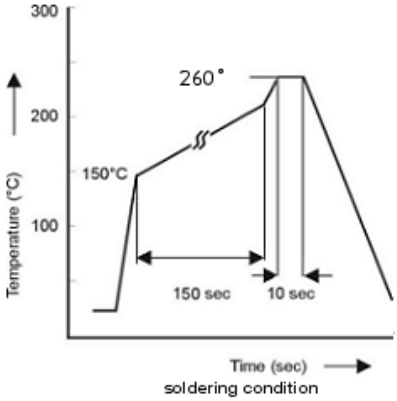


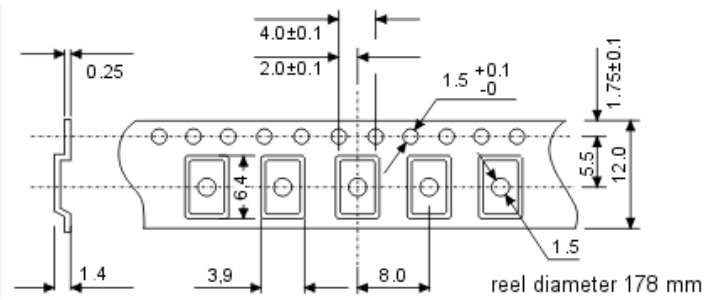
internal connections




suggested soldering pad




soldering condition




reel diameter 178 mm

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