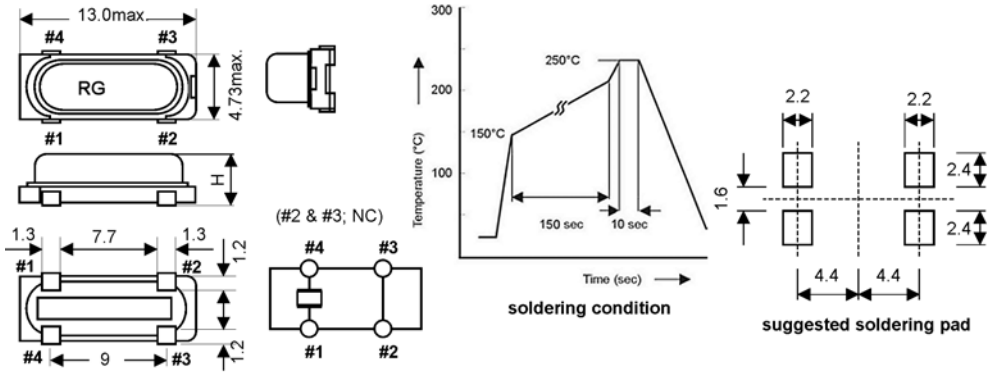
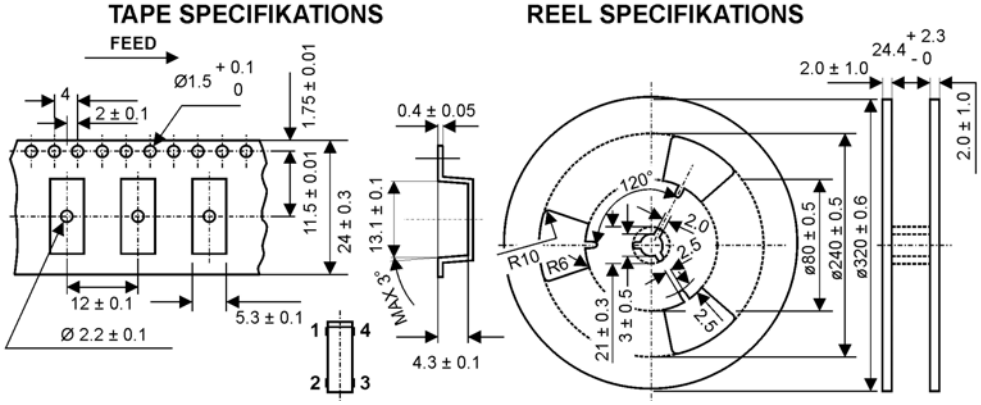
# QUARTZ CRYSTALS

**MHz range** **SMD-version**

| | | |
|---|---|---|
| model | KX-CPBS | |
| frequency range | 3,50 ~ 70,0 MHz | |
| mode | fundamental, 3rd overtone | |
| operating temperature | standard -20° ~ + 70°C<br>available -40° ~ + 85°C (=KX-CPBST) | |
| frequency tolerance at +25°C | ± 50 ppm | |
| temperature tolerance<br>at -20° ~ + 70°C<br>-40° ~ + 85°C | <br>± 50 ppm<br>± 100 ppm | |
| load capacitance $C_L$ | standard 16 pF<br>available 12 ~ 20 pF | |
| series resonance<br>$R_1$ max. | fundamental | 3,5 ~ 3,99 MHz 150 Ohm<br>4,0 ~ 5,99 MHz 120 Ohm<br>6,0 ~ 7,99 MHz 80 Ohm<br>8,0 ~ 9,99 MHz 60 Ohm<br>10,0 ~ 40,0 MHz 50 Ohm |
| | 3rd overtone | 35,0 ~ 39,99 MHz 100 Ohm<br>40,0 ~ 49,99 MHz 80 Ohm<br>50,0 ~ 70,0 MHz 50 Ohm |
| aging ( first year ) | ± 5 ppm | |
| shunt capacitance $C_O$ max. | 7,0 pF | |
| drive level in mW | 0,1 | |
| height (h) max. | 3,8 mm | |
| lead-free | started from date code May, 2005 | |
| contents of reel | 1000 pcs. | |
| part no. | 12.88200 ~ 12.88399 | |

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