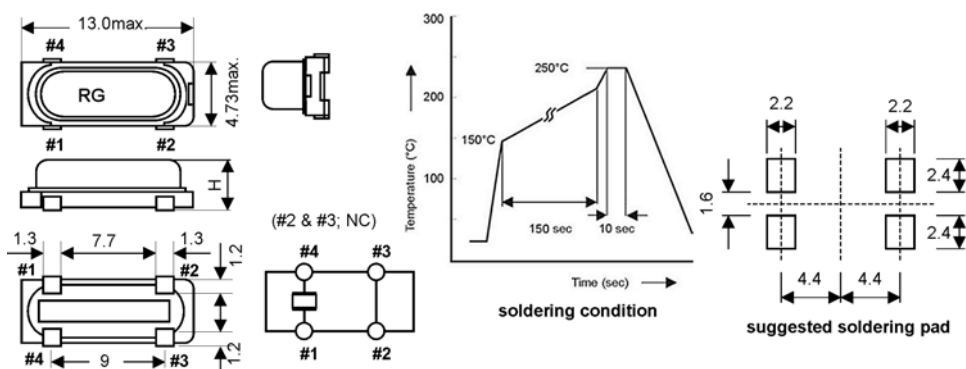


# QUARTZ CRYSTALS

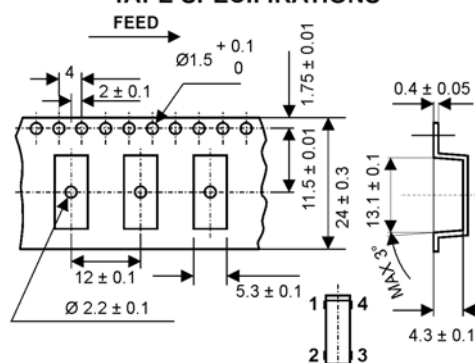
MHz range

SMD-version

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



### TAPE SPECIFICATIONS



### REEL SPECIFICATIONS

