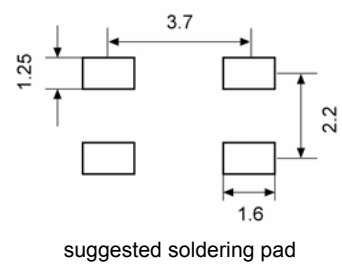
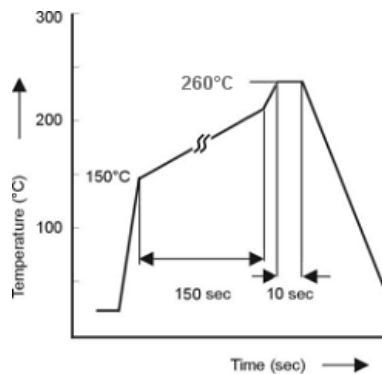
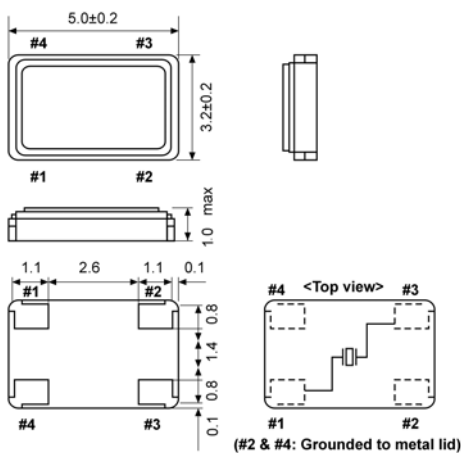


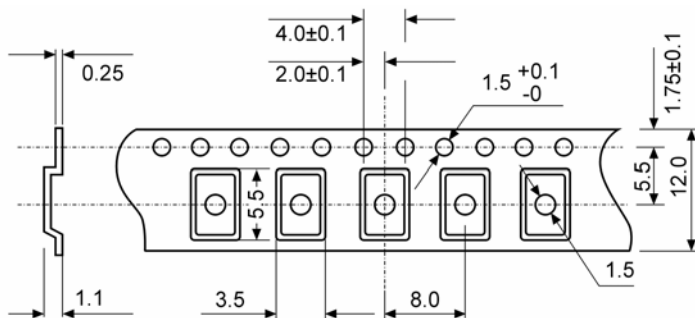


QUARTZ CRYSTALS **MHz range** **SMD-version**

| | | | |
|---------------------------------------|---|--|---------|
| model | KX - 9A | | |
| frequency range | 8,0 - 300,0 MHz | | |
| mode | fundamental, 3 rd overtone, 5 th overtone | | |
| operating temperature | standard | -20° ~ + 70° C | |
| | available | -40° ~ + 85° C (=KX-9AT) | |
| | available | -40° ~ +105° C (=KX-9AE) | |
| frequency tolerance at +25° C | standard | ± 30 ppm | |
| | available | ± 10 ~ ± 50 ppm | |
| temperature tolerance | | standard ± 50 ppm, available ±10 ~ ± 50 ppm | |
| -20° ~ + 70° C | | standard ±100 ppm, available ±20 ~ ± 100 ppm | |
| -40° ~ + 85° C | | standard ±120 ppm, available ±30 ~ ± 120 ppm | |
| -40° ~ +105° C | | | |
| load capacitance C _L | standard | 16 pF | |
| | available | 10 - 20 pF | |
| series resonance | fundamental | 8,0 - 9,99 MHz | 150 Ohm |
| R ₁ max. | | 10,0 - 12,0 MHz | 100 Ohm |
| | | 12,1 - 16,0 MHz | 80 Ohm |
| | | 16,1 - 20,0 MHz | 60 Ohm |
| | | 20,1 - 50,0 MHz | 40 Ohm |
| | | 50,1 - 130,0 MHz | 30 Ohm |
| | 3 rd overtone | 70,0 - 300,0 MHz | 80 Ohm |
| | 5 th overtone | 120,0 - 250,0 MHz | 80 Ohm |
| aging (first year) | ± 2 ppm | | |
| shunt capacitance C ₀ max. | 5,0 pF | | |
| drive level in mW max. | 0,05 | | |
| contents of reel | 1000 pcs. | | |
| RoHS | since production start | | |
| part no. | 12.89000 - 12.89199 | | |



soldering condition



(mm) reel diameter 178 mm