

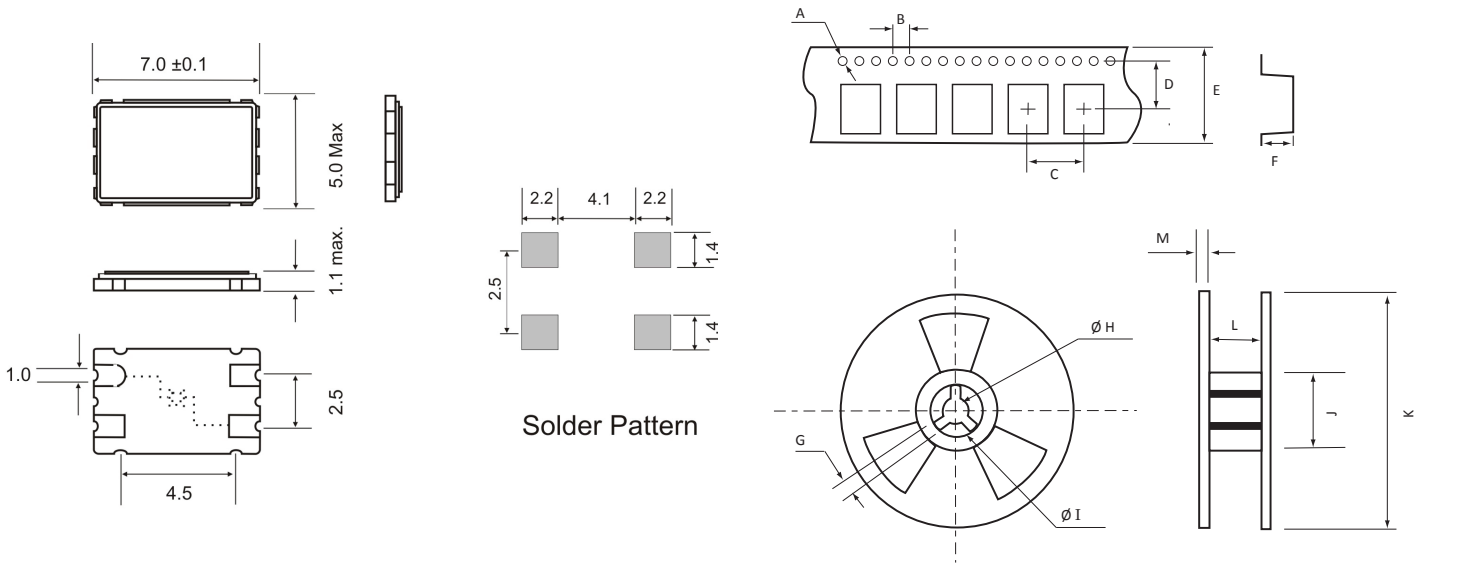
Current part - Not recommended for new designs

Standard Specifications

| Parameter | Symbol | Specification | Remarks |
|-----------------------------|--------------|-------------------------|--|
| Frequency Range | f_0 | 6.00 to 110.0 MHz | |
| Frequency Tolerance | $\Delta f/f$ | ± 30 PPM (Std) | at 25°C with 100 μ W (Higher tolerances are available) |
| Frequency Stability | Over OTR | ± 50 PPM (Standard) | From ± 10 PPM depending on OTR |
| Operating Temperature Range | T_{OPR} | -10°C to +60°C | -40°C to +85°C also available |
| Storage Temperature Range | T_{STG} | -55°C to +125°C | |
| Load Capacity | C_L | 30pF (Std value) | Please specify |
| Drive-Level | D_L | 100.0 μ W Typ. | 0.5mW Max |
| Shunt Capacitance | C_0 | 5.0pF Typ. | |
| Dynamic Capacitance | C_1 | 20.0fF Typ. | |
| Ageing | Fa | ± 5.0 PPM | at 25°C ± 3 °C 1st Year |

| Frequency Range | Mode | ESR | Reflow Solder Condition (260°C) |
|---------------------|--------------|--------------|---------------------------------|
| 6.00 to 6.99 MHz | Fundamental | 120 Ω | |
| 7.000 to 7.99 MHz | Fundamental | 110 Ω | |
| 8.00 to 8.99 MHz | Fundamental | 100 Ω | |
| 9.00 to 9.99 MHz | Fundamental | 90 Ω | |
| 10.0 to 10.99 MHz | Fundamental | 80 Ω | |
| 11.0 to 11.99 MHz | Fundamental | 70 Ω | |
| 12.00 to 15.99 MHz | Fundamental | 60 Ω | |
| 16.00 to 39.99 MHz | Fundamental | 40 Ω | |
| 40.00 to 84.99 MHz | 3rd Overtone | 70 Ω | |
| 85.00 to 110.00 MHz | 3rd Overtone | 60 Ω | |

Dimensions (mm) 1000pcs per Reel



** Unused pins are connected through Lid **

| A | B | C | D | E | F | G | H | I | J | K | L |
|-----|-----|-----|-----|------|-----|-----|------|------|------|-----|------|
| 1.5 | 4.0 | 8.0 | 7.5 | 16.0 | 1.8 | 2.5 | 13.5 | 21.0 | 60.5 | 178 | 16.5 |