

SPECIFICATION

| | | | |
|-----------------------------|--------------------|--|--|
| Frequency Range | Fundamental | 12.0~54.0 MHz | QUARTZ CRYSTAL 4.0 X 2.5 MM |
| Motional Resistance | | See Table 2 | |
| Load Capacitance (CL) | | 8-20 pF | |
| Drive Level | | 100μW typ., 300μW max. | |
| Frequency Tolerance @25°C | | ±10~±30 ppm | |
| Temperature Stability | | See Table 1 | |
| Operating Temperature Range | Standard, Code 27 | -20°C~70°C | |
| | Available, Code 48 | -40°C~85°C | |
| Storage Temperature Range | | -40°C~85°C | |
| Aging | | ±2 ppm /year max. | |
| Shunt Capacitance | | 3 pF | |
| Reflow Soldering | | 10s max., 260°C twice or 180s @185°C once | |
| Packing Unit | | 1000 pcs. Tape&Reel | |

TABLE 1

S: Standard ; A: Available

| Temp. Code | Temp. / ppm | ± 10 | ± 20 | ± 30 | ± 50 |
|------------|-------------|------|------|------|------|
| 27 | 20~70°C | A | A | S | A |
| 48 | 40~85°C | A | A | A | S |

TABLE 2

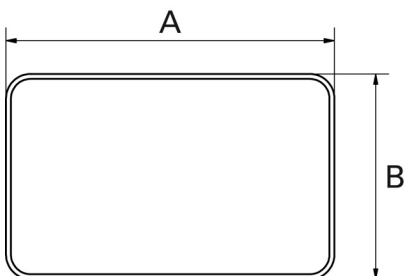
| |
|-----------------------|
| 12.0~19.999 MHz: 80 Ω |
| 20.0~25.999 MHz: 70 Ω |
| 26.0~54.0 MHz: 50 Ω |

ORDERING KEY

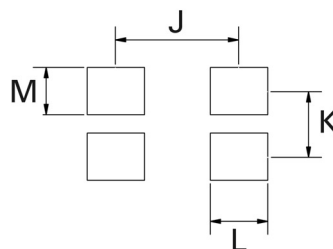
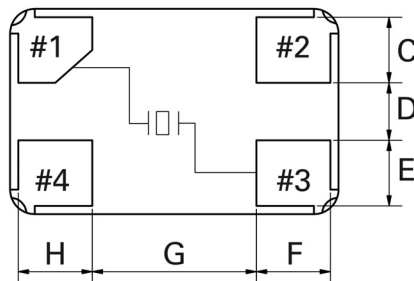
Example: FT14A-32.0/16-30-30/27

| Type | - Frequency | /CL | -Frequency Tolerance | -Temperature Stability | /Temperature Code |
|-------|--------------|-----------------------------|----------------------|------------------------|-------------------|
| FT14A | Value in MHz | Value in pF s for series | Value in ppm | Value in ppm | 27 48 |

MECHANICAL DIMENSIONS (MM)



Bottom View



| | |
|---|-----------|
| A | 4.0 ± 0.2 |
| B | 2.5 ± 0.2 |
| C | 0.8 |
| D | 0.7 |
| E | 0.8 |
| F | 0.9 |
| G | 2.0 |
| H | 0.9 |
| I | 0.85 max. |
| J | 3.0 |
| K | 1.6 |
| L | 1.4 |
| M | 1.15 |