



SPECIFICATION

| | | | |
|-----------------------------|--------------------|--|--|
| Frequency Range | Fundamental | 8,0~54,0 MHz | QUARTZ CRYSTAL 5,0 x 3,2 MM |
| Motional Resistance | | See Table 2 | |
| Load Capacitance (CL) | | 8 pF ~ Series | |
| Drive Level | | 10µW typ., 500µW 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 | | ±3 ppm /year max. | |
| Shunt Capacitance | | 7 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

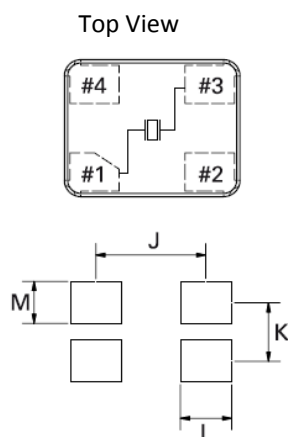
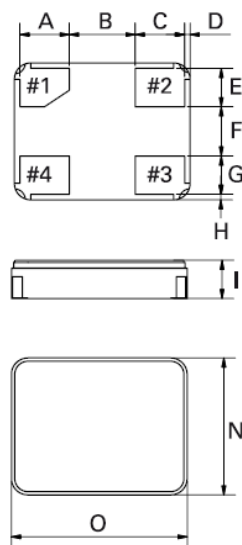
| | |
|----------------------|------|
| 8,0000 ~ 11,999 MHz: | 80 Ω |
| 12,000 ~ 17,0 MHz: | 60 Ω |
| 17,001 ~ 32,0 MHz: | 50 Ω |
| 32,001 ~ 54,0 MHz: | 40 Ω |

ORDERING KEY

Example: FT10A-14,74560/16-30-30/27

| Type | - Frequency | /CL | -Frequency Tolerance | -Temperature Stability | /Temperature Code |
|-------|--------------|-----------------------------|----------------------|------------------------|-------------------|
| FT10A | Value in MHz | Value in pF s for series | Value in ppm | Value in ppm | 27 48 |

MECHANICAL DIMENSIONS (MM)



| | |
|---|----------|
| A | 1,2 |
| B | 2,6 |
| C | 1,1 |
| D | 0,1 |
| E | 0,9 |
| F | 1,4 |
| G | 0,8 |
| H | 0,1 |
| I | 1,0 max. |
| J | 3,9 |
| K | 2,4 |
| L | 2,6 |
| M | 1,2 |
| N | 3,5±0,2 |
| O | 5,0±0,2 |

Recommended Solder Pattern