

GX-50322, GX-50324



CRYSTAL

SMD

TYPICAL APPLICATIONS

Bluetooth, Wireless LAN, Audio Equipment, PCMCIA, PCs, Hand-held Electronic Products, Disc Drive, PC, PC Accessory Card, NoteBook, A/V Cards

FEATURES

Miniature and Thin, Ceramic SMD Package, Glass Sealed, Tight Tolerance and Stability, Reflow Soldering, Emboss Taping, RoHS Compliant Standard

DIMENSIONS

5.0x3.2x1.1[mm]

TYPICAL SPECIFICATIONS

| Model | GX-50322, GX-50324 | |
|--|--|----------------------------------|
| Nominal Frequency Range | 10.000~50.000MHz | 45.000~60.000MHz |
| Standard Frequency | 12.6, 12.8, 13.0, 14.4, 16.0, 19.2, 19.68, 20.945MHz | |
| Vibration Mode | Fundamental [AT] | 3rd Overtone [AT] |
| Frequency Tolerance (@ +25°C) | ±30 ppm, ±50 ppm | |
| Freq. Temp. Characteristics (Ref. to 25°C) | ±30 ppm, ±50 ppm -10°C~+70°C | ±50 ppm, ±100 ppm -40°C~+85°C |
| Operating Temperature Range | -10°C~+70°C, -40°C~+85°C | |
| Storage Temperature Range | -40°C~+90°C | |
| Load Capacitance | Series, 10pF, 12pF, 16pF, 18pF, 20pF | |
| Shunt Capacitance | 5pF Max. | |
| Drive Level | 10μW (100μW Max.) | |
| Equivalent Series Resistance | See Table 1 | |
| Aging (+25°C) | ±5 ppm / year Max. | |

Please consult with our sales department for other parameters.

* Package quantity 1,000 pcs max./reel.

OUTLINE DIMENSIONS
Unit:mm

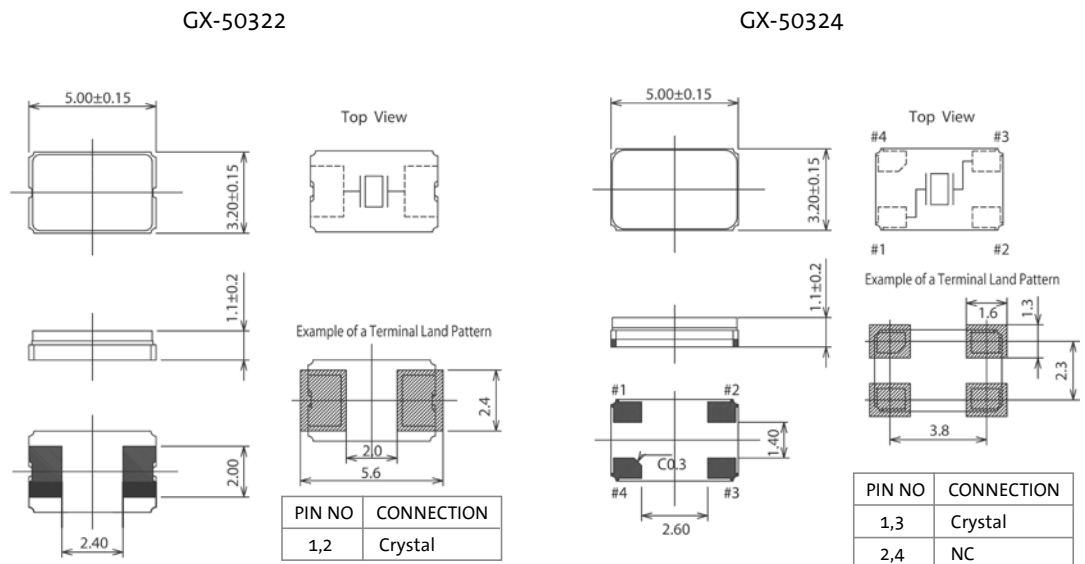


TABLE 1: ESR

| AT-cut Fundamental | | AT-cut 3rd Overtone | |
|--------------------|---------|---------------------|---------|
| Frequency (MHz) | ESR (Ω) | Frequency (MHz) | ESR (Ω) |
| 10.000~15.999 | 60 | 45.000~60.000 | 90 |
| 16.000~50.000 | 50 | | |

All specifications are subject to change without notice.