

石英谐振器 (CRYSTAL)

CERAMIC SMD TYPE

| Parameter | Specification |
|------------------------------------|--------------------------------------|
| Frequency Range | 12.000 - 50.000 MHz |
| Operation Mode | See Operation Mode and ESR Table |
| Load Capacitance (CL) | 12pF Std., >8pF and Series available |
| Frequency Tolerance (at 25°C) | ±30 ppm Std. |
| Temperature Tolerance | ±50 ppm Std. |
| Operating Temperature | -10 to +60°C Std. |
| Storage Temperature | -40 to +85°C |
| Equivalent Series Resistance (ESR) | See Operation Mode and ESR Table |
| Shunt Capacitance (C0) | 5.0pF max. |
| Drive Level | 100 uW max. |
| Aging (at 25°C) | ±3 ppm per year max. |

OPERATION MODE AND ESR TABLE

| Frequency (MHz) | Mode | ESR (Ohm) max. | Package |
|-----------------|-------------|----------------|-------------|
| 12.000 - 13.999 | Fundamental | 150 | 3225 |
| 14.000 - 15.999 | Fundamental | 100 | 3225 |
| 16.000 - 19.999 | Fundamental | 80 / 120 | 3225 / 2520 |
| 20.000 - 29.999 | Fundamental | 60 / 80 | 3225 / 2520 |
| > 30.000 | Fundamental | 50 / 50 | 3225 / 2520 |

