

51U THRU-HOLE CRYSTAL

FEATURES

- High Precision availability
- Wide Frequency Range
- Applications: Telecommunication equipment,...

19.4 x 8.95 x 19.8 mm



| Item | Symbol | Specification |
|------------------------------|--------------|--|
| Frequency Range | Fo | 0.8 MHz ~ 200 MHz |
| Operation Mode | | 0.8 MHz + Fundamental (see options) 15.0 MHz ~ 100.0 MHz 3rd-overtone (see options) 50.0 MHz ~ 160.0 MHz 5th-overtone (see options) 80.0 MHz ~ 200.0 MHz 7th-overtone (see options) |
| Operating temperature Range | To | 0° to +70°C (see options) |
| Frequency Tolerance at 25°C | $\Delta f/F$ | ± 10 ppm max. (see options) |
| Temperature Stability | $\Delta f/F$ | ± 10 ppm max. (see options) |
| Load Capacitance (CL) | CL | series or 10 pF to 60 pF (see options) |
| Equivalent Series Resistance | ESR | Frequency dependent, please consult factory |
| Shunt Capacitance (Co) | Co | 7pF Max |
| Insulation Resistance | Ri | 500 M Ω min. (at 100Vdc) |
| Drive Level | DL | 5mW max. |
| Aging | $\Delta f/F$ | ± 5 ppm max (at 25°C, first year) |
| Packing Unit | | Bulk in bag |
| | | Customer specifications on request |

OPTIONS & ORDERING INFORMATION

| 51U- | | | | | MHz | - | |
|------|-------------------|-------------------|------------------|---|------------------|-------------------------------------|-----------------------------|
| | Freq. Tolerance | Freq. Stability* | Operating Temp.* | Load Capacitance | Mode | Frequency in MHz | ESR if other than STD |
| | 05 = ± 05 ppm | 05 = ± 05 ppm | D = -10° / +60°C | Please specify CL in pF or S for Series | F = Fundamental | Please specify the frequency in MHz | Specify a value in Ω |
| | 10 = ± 10 ppm | 10 = ± 10 ppm | E = 0° / +70°C | | D = 3rd overtone | | |
| | 15 = ± 15 ppm | 15 = ± 15 ppm | F = -20° / +70°C | | V = 5th overtone | | |
| | 20 = ± 20 ppm | 20 = ± 20 ppm | G = -30° / +75°C | | Z = 7th overtone | | |
| | 25 = ± 25 ppm | 25 = ± 25 ppm | H = -30° / +85°C | | | | |
| | 30 = ± 30 ppm | 30 = ± 30 ppm | K = -40° / +85°C | | | | |
| | 50 = ± 50 ppm | 50 = ± 50 ppm | | | | | |

* Note: Not all combinations are possible, please consult us.

OUTLINE DIMENSIONS

