



RESISTANCE WELD ULTRA MINIATURE THRU-HOLE PACKAGE - UM5 Series

FEATURES

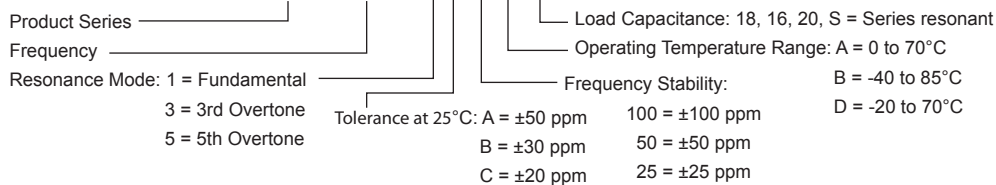
- RoHS Compliant (Pb-Free), Wide Frequency Range Available
- AT-cut Crystal, High Precision and Excellent Aging, Extended Temperature Range
- Industry Standard Package, Compact Size with 6 mm Height
- Optional Metal Jacket for SMT

SPECIFICATIONS

| | |
|--------------------------------------|---|
| Frequency Range | 10 MHz to 225.000 MHz |
| Resonance Mode | 1 = Fundamental (10 to 45 MHz); 3 = 3rd Overtone (30 to 125 MHz) 5 = 5th Overtone (100 to 225 MHz) |
| Calibration Tolerance @25°C | A = ±50 ppm; B = ±30 ppm; C = ±20 ppm; D = ±15 ppm; E = ±10 ppm |
| Frequency Stability Ref @25°C | 100 = ±100 ppm; 50 = ±50 ppm; 25 = ±25 ppm; 10 = ±10 ppm |
| Temperature Range | A = 0°C to 70°C; B = -40°C to 85°C; C = -10°C to 60°C; D = -20°C to 70°C |
| Crystal Aging | ±5 ppm / year Maximum |
| Storage Temperature | -55°C to 125°C |
| Load Capacitance (CL) | CL = 18 pF (Standard), 16 pF, 20 pF, others, or S = Series resonant |
| Shunt Capacitance | 7 pF Maximum |
| Drive Level | 0.1 mW Typical, 1 mW Maximum |
| Pullability (option) | May be specified in terms of frequency shift over a certain range of CL |

Creating a Part Number

UM5-155M520-5 B 30 D 18 -options



Equivalent Series Resistance

| Frequency (MHz) | Mode | Max ESR (Ohms) |
|-----------------|---------|----------------|
| 10.000 - 10.999 | Fund | 60 |
| 11.000 - 45.000 | Fund | 40 |
| 30.000 - 125.00 | 3rd O/T | 60 |
| 100.00 - 225.00 | 5th O/T | 80 |
| 100.00 - 225.00 | 7th O/T | 180 |

OUTLINE DRAWING

