

## HIGH FREQUENCY THROUGH HOLE CRYSTAL (7.8 x 3.2 x 8.0mm)

### FEATURES:

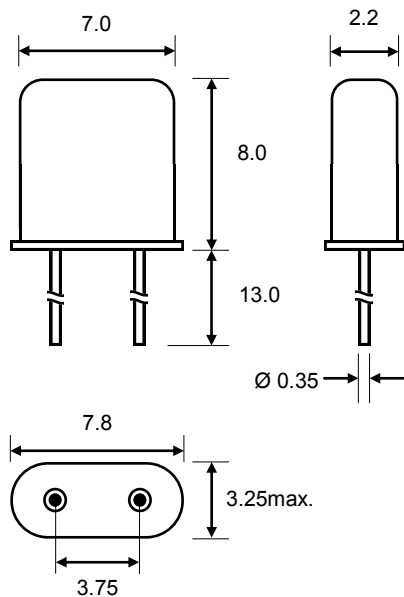
- HIGH FREQUENCY RANGE
- HIGH PRECISION QUARTZ CRYSTAL
- SHORT LEAD TIME



### ■ SPECIFICATION

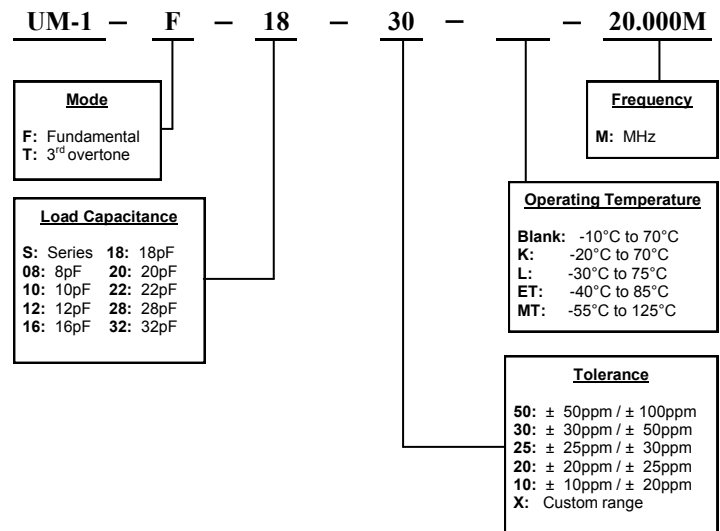
|                              |   |
|------------------------------|---|
| FREQUENCY RANGE              | 4.000MHz ~ 200.000MHz   |
| FREQUENCY TOLERANCE @ 25°C   | ±5.0ppm ~ ±100ppm (See P/N guide for other options)   |
| FREQUENCY STABILITY          | ±5.0ppm ~ ±100ppm (See P/N guide for other options)   |
| OPERATING TEMPERATURE RANGE  | 0°C to 50°C, -40°C to 85°C (See P/N guide for other options)  |
| STORAGE TEMPERATURE RANGE    | -55°C to 125°C  |
| LOAD CAPACITANCE             | Series to 50pF (See P/N guide for other options)  |
| SHUNT CAPACITANCE            | 7pF max.  |
| INSULATION RESISTANCE        | 500MΩ min. @ 100V <sub>DC</sub> ± 15V <sub>DC</sub>   |
| DRIVE LEVEL                  | 500μW max.  |
| AGING @ 25°C                 | ±3.0ppm / 1 <sup>st</sup> year max.   |
| EQUIVALENT SERIES RESISTANCE | <b>Fundamental:</b><br>4.000MHz ~ 5.000MHz: 100Ω max.    5.001MHz ~ 6.000MHz: 90Ω max.<br>6.001MHz ~ 7.000MHz: 80Ω max.    7.001MHz ~ 10.000MHz: 60Ω max.<br>10.001MHz ~ 14.000MHz: 50Ω max.    14.001MHz ~ 20.000MHz: 40Ω max.<br>20.001MHz ~ 25.000MHz: 35Ω max.    25.001MHz ~ 30.000MHz: 32Ω max.<br>30.001MHz ~ 35.000MHz: 30Ω max.    35.001MHz ~ 60.000MHz: 25Ω max.<br>60.001MHz ~ 200.000MHz: 22Ω max. |
|                              | <b>3<sup>rd</sup> overtone:</b><br>24.001MHz ~ 30.000MHz: 70Ω max.    30.001MHz ~ 60.000MHz: 60Ω max.<br>60.001MHz ~ 200.000MHz: 45Ω max.   |
| OPERATION MODE               | AT cut, Fundamental or 3 <sup>rd</sup> overtone   |

### ■ PACKAGE DIMENSIONS



Unit : mm

### ■ PART NUMBERING GUIDE



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