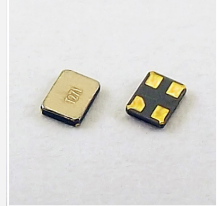


ULTRA MINIATURE CERAMIC SMD CRYSTAL (1.2 x 1.0 x 0.33mm)

FEATURES:

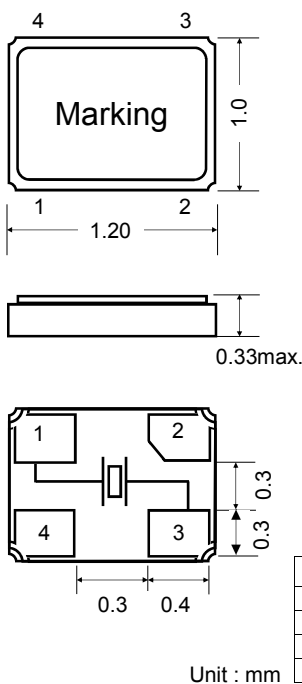
- THE WORLD'S SMALLEST QUARTZ CRYSTAL UNIT
- AEC-Q200 COMPLIANT SPEC AVAILABLE UPON REQUEST
- SUITABLE FOR ROHS REFLOW



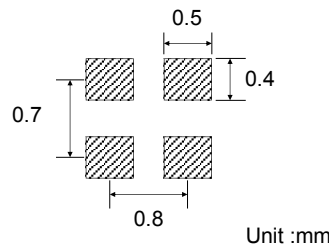
■ SPECIFICATION

FREQUENCY RANGE	36.000MHz ~ 80.000MHz
FREQUENCY TOLERANCE @ 25°C	±7ppm ~ 50ppm (See P/N guide for other options)
FREQUENCY STABILITY	±10ppm ~ 50ppm (See P/N guide for other options)
OPERATING TEMPERATURE RANGE	STD: 0°C ~ 70°C, Option: -40°C ~ 125°C (See P/N guide for other options)
STORAGE TEMPERATURE RANGE	-55°C ~ 125°C
LOAD CAPACITANCE	5pF, 6pF, 7pF (See P/N guide, other option available)
SHUNT CAPACITANCE	7.0pF max.
INSULATION RESISTANCE	500MΩ min. @ 100V _{DC} ± 15V _{DC}
DRIVE LEVEL	100μW max.
AGING @ 25°C ± 3°C	±3.0ppm / 1 st year max.
EQUIVALENT SERIES RESISTANCE	36.000MHz - 40.000MHz: 150Ω max. 40.001MHz - 48.000MHz: 80Ω max. 48.001MHz - 80.000MHz: 60Ω max.
OPERATION MODE	AT Cut, Fundamental

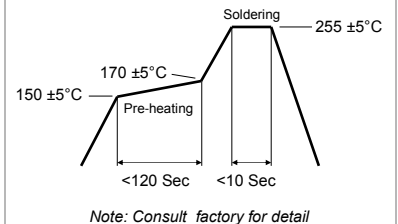
■ PACKAGE DIMENSIONS



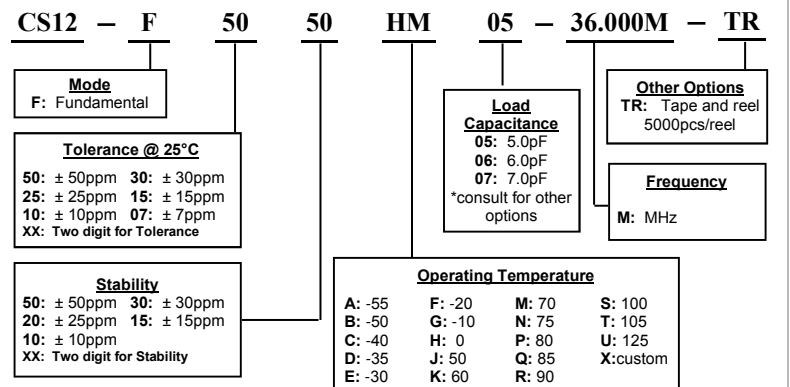
■ SOLDER PATTERN



■ REFLOW PROFILE



■ PART NUMBERING GUIDE



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