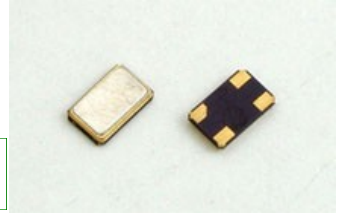


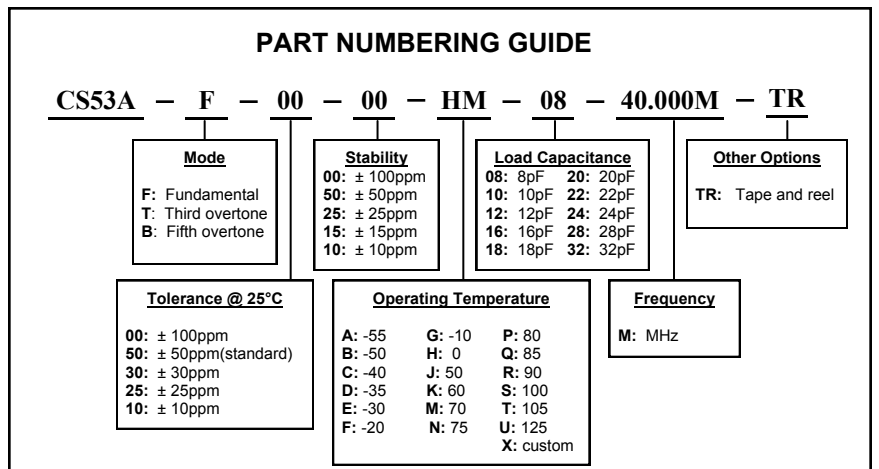
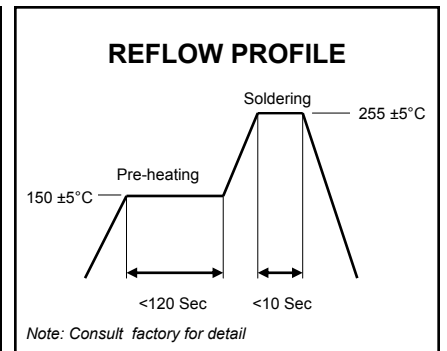
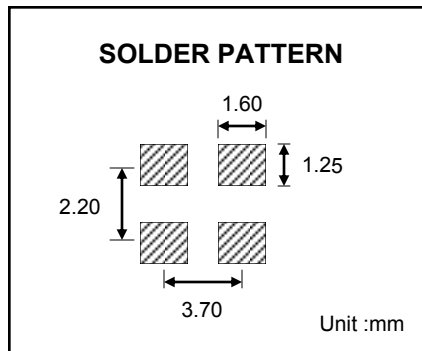
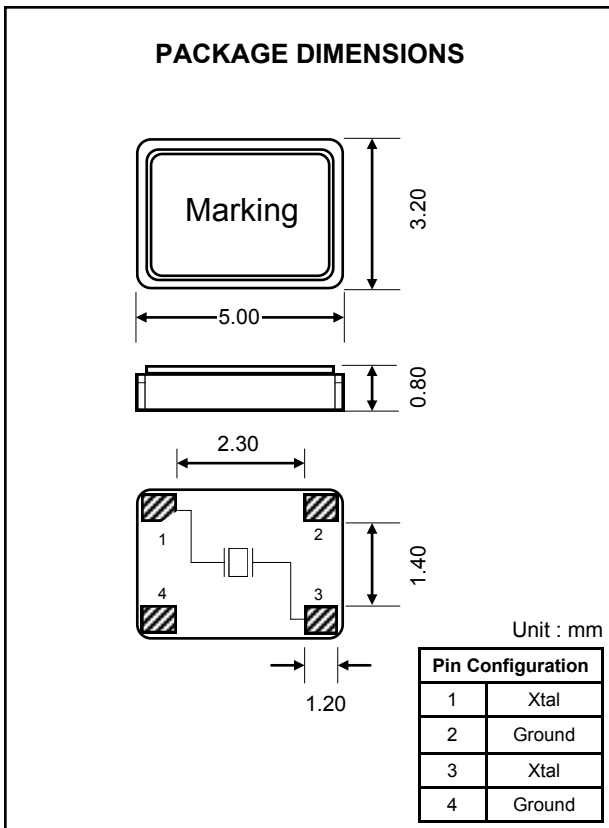
**MINIATURE CERAMIC SMD CRYSTAL (5.0 x 3.2 x 0.8mm)**
**FEATURES:**

- HIGH FREQUENCY RANGE
- LOW COST SMD PACKAGE
- LOW PROFILE / SUITABLE FOR REFLOW

RoHS  
Compliant



MODEL	CS53A
FREQUENCY RANGE	10.000MHz ~ 300.000MHz
FREQUENCY TOLERANCE	± 30ppm (see below for other options)
TEMPERATURE STABILITY	± 50ppm (see below for other options)
OPERATING TEMPERATURE	STD: 0°C to 70°C (see below for other options)
STORAGE TEMPERATURE	-55°C to 105°C
SHUNT CAPACITANCE	7.0pF max
LOAD CAPACITANCE	STD: 18pF, (see below for other options)
DRIVE LEVEL	100uW max.
AGING	± 5.0ppm / year @ 25°C ± 3°C
INSULATION RESISTANCE	500MΩ min. at 100VDC ± 15VDC
OPERATION MODE	Fundamental, Third overtone, or Fifth overtone (see below)
ESR	6.000MHz ~ 9.999MHz: 200Ω max. (Fundamental) 10.000MHz ~ 11.999MHz: 100Ω max. (Fundamental) 12.000MHz ~ 18.999MHz: 70Ω max. (Fundamental) 19.000MHz ~ 60.000MHz: 40Ω max. (Fundamental) 60.000MHz ~ 170.000MHz: 100Ω max. (Third overtone) 180.000MHz ~ 300.000MHz: 180Ω max. (Fifth overtone)



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