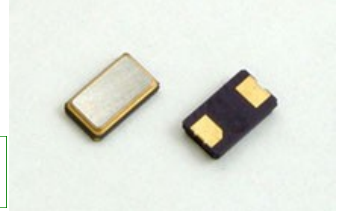


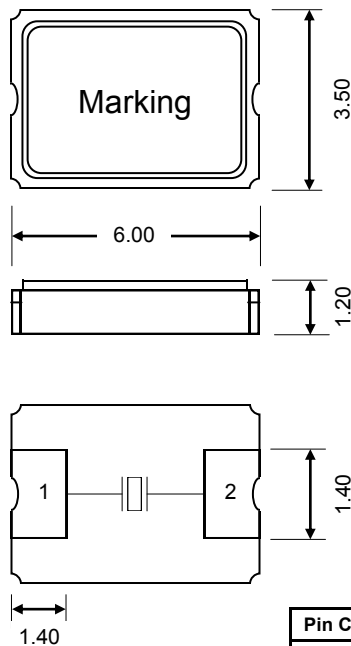
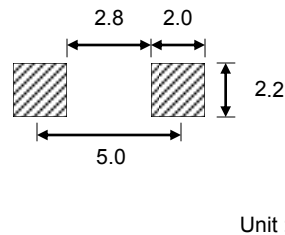
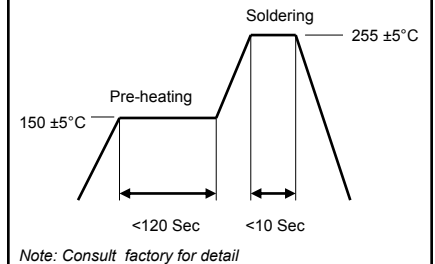
CERAMIC SMD CRYSTAL (6.0 x 3.5 x 1.2mm)
FEATURES:

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

RoHS
Compliant



MODEL	CS63B
FREQUENCY RANGE	10.000MHz ~ 80.000MHz
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	-40°C to 85°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 >40.000MHz
ESR	10.000MHz ~ 10.999MHz: 100Ω max. 11.000MHz ~ 11.999MHz: 80Ω max. 12.000MHz ~ 15.999MHz: 60Ω max. 16.000MHz ~ 39.999MHz: 40Ω max. 40.000MHz ~ 80.000MHz: 70Ω max. (third overtone)

PACKAGE DIMENSIONS

SOLDER PATTERN

REFLOW PROFILE

PART NUMBERING GUIDE

CS63B - F - 00 - 00 - HM - 08 - 20.000M - TR

Mode F: Fundamental T: Third overtone	Stability 00: ± 100ppm 50: ± 50ppm 30: ± 30ppm 25: ± 25ppm 15: ± 15ppm 10: ± 10ppm	Load Capacitance 08: 8pF 20: 20pF 10: 10pF 22: 22pF 12: 12pF 24: 24pF 16: 16pF 28: 28pF 18: 18pF 32: 32pF	Other Options TR: Tape and reel
Tolerance @ 25°C 00: ± 100ppm 50: ± 50ppm(standard) 30: ± 30ppm 25: ± 25ppm 10: ± 10ppm	Operating Temperature A: -55 G: -10 P: 80 B: -50 H: 0 Q: 85 C: -40 J: 50 R: 90 D: -35 K: 60 S: 100 E: -30 M: 70 T: 105 F: -20 N: 75 U: 125 X: custom	Frequency M: MHz	

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