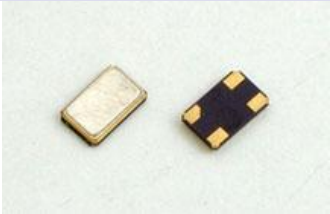
Transko

CS63A

CERAMIC SMD CRYSTAL (6.0 x 3.5 x 1.0mm)



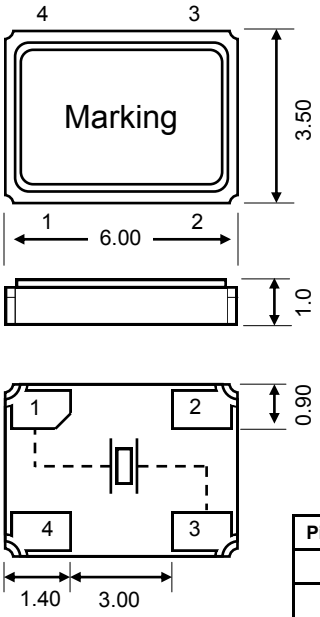
FEATURES:

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

RoHS Compliant

MODEL	CS63A
FREQUENCY RANGE	7.3728MHz ~ 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	-55°C to 125°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)

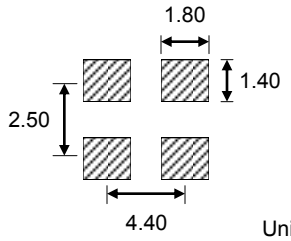
PACKAGE DIMENSIONS



Unit : mm

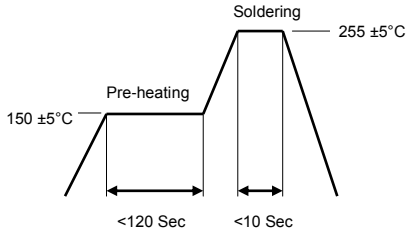
Pin Configuration	
1	Xtal
2	Ground
3	Xtal
4	Ground

SOLDER PATTERN



Unit :mm

REFLOW PROFILE



Note: Consult factory for detail

PART NUMBERING GUIDE

CS63A – F – 00 – 00 – HM – 08 – 20.000M – TR

Mode
- **F:** Fundamental
- T: Third overtone

Tolerance @ 25°C
- **00:** ± 100ppm
- **50:** ± 50ppm(standard)
- **30:** ± 30ppm
- **25:** ± 25ppm
- **10:** ± 10ppm

Stability
- **00:** ± 100ppm
- **50:** ± 50ppm
- **25:** ± 25ppm
- **15:** ± 15ppm
- **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

Load Capacitance

08: 8pF	**20:** 20pF
10: 10pF	**22:** 22pF
12: 12pF	**24:** 24pF
16: 16pF	**28:** 28pF
18: 18pF	**32:** 32pF

Frequency
- **M:** MHz

Other Options
- **TR:** Tape and reel

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