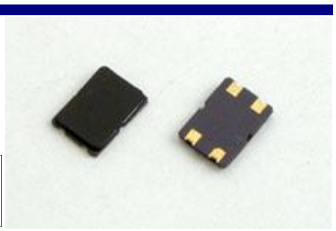
Transko

CS75

MINIATURE CERAMIC SMD CRYSTAL (7.0 x 5.0 x 1.5mm)



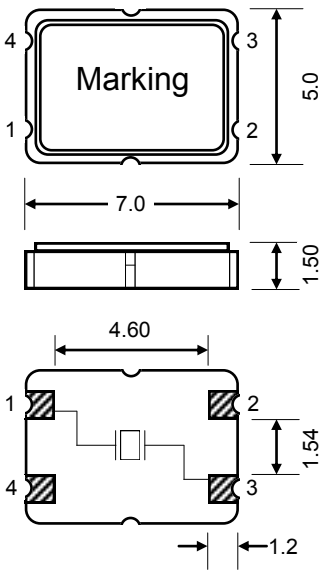
FEATURES:

- HIGH FREQUENCY RANGE
- LOW COST / LOW PROFILE
- INDUSTRY STANDARD PACKAGE

RoHS Compliant

MODEL	CS75
FREQUENCY RANGE	5.000MHz ~ 200.000MHz
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	5.000MHz ~ 7.999MHz: 80Ω max. 8.000MHz ~ 9.999MHz: 60Ω max. 10.000MHz ~ 19.999MHz: 50Ω max. 20.000MHz ~ 40.000MHz: 40Ω max. 45.000MHz ~ 200.000MHz: 80Ω max. (third overtone)

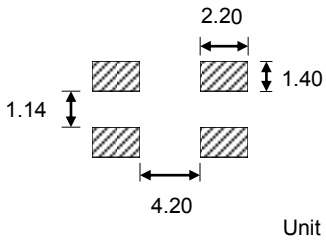
PACKAGE DIMENSIONS



Unit : mm

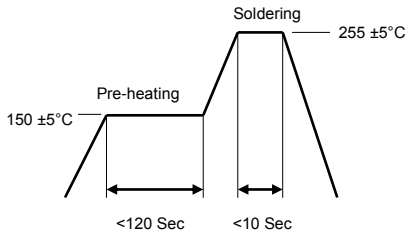
Pin Configuration	
1	Xtal
2	Ground
3	Xtal
4	Ground

SOLDER PATTERN



Unit :mm

REFLOW PROFILE



Note: Consult factory for detail

PART NUMBERING GUIDE

CS75 – F – 00 – 00 – HM – 08 – 20.000M – TR

Mode
F: Fundamental
T: Third overtone

Stability
00: ± 100ppm
50: ± 50ppm
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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