

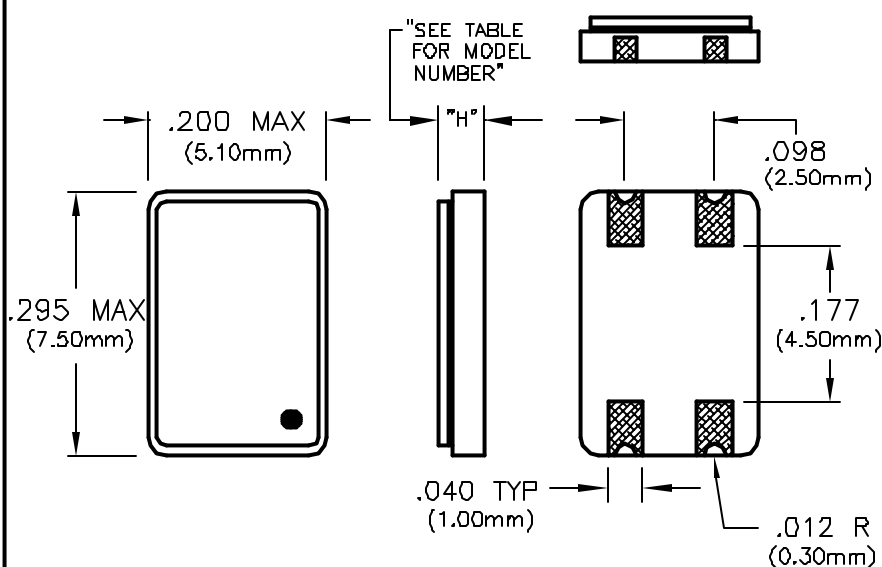
SURFACE CRYSTAL MOUNT UNIT

SPECIFICATIONS	CS-003
Frequency Range	25.0MHz
Frequency Tolerance	$\pm 10\text{ppm}$ (at 25°C)
Temperature Stability	$\pm 25\text{ppm}$
Operating Temperature Range	0°C to 70°C
Shunt Capacitance	5.0pf Maximum
Equivalent Series Resistance	30 Ohm Maximum
Load Capacitance	18pf
Drive Level	0.1mW Maximum
Shock Resistance (Note 1)	$\pm 5\text{ppm}$ Maximum
Vibration Resistance (Note 2)	$\pm 5\text{ppm}$ Maximum
Insulation Resistance	500M Ohm Minimum at DC100 $\pm 15\text{V}$
Package Height "H"	.043" (1.1mm Max)

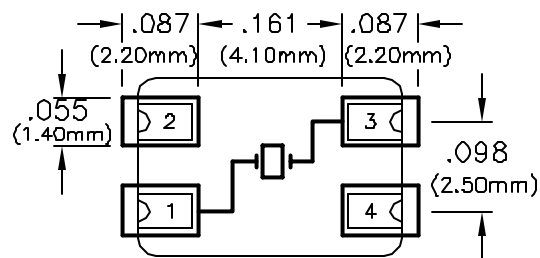
Note 1 — (Shock Test Standard): 3 times from 75cm height onto a hard wooden board.

Note 2 — (Vibration Test Standard): 10 to 500Hz, Amplitude: 1.5mm or 10G, whichever is smaller.

PACKAGE OUTLINE



SUGGESTED PAD LAYOUT



PIN CONNECTIONS

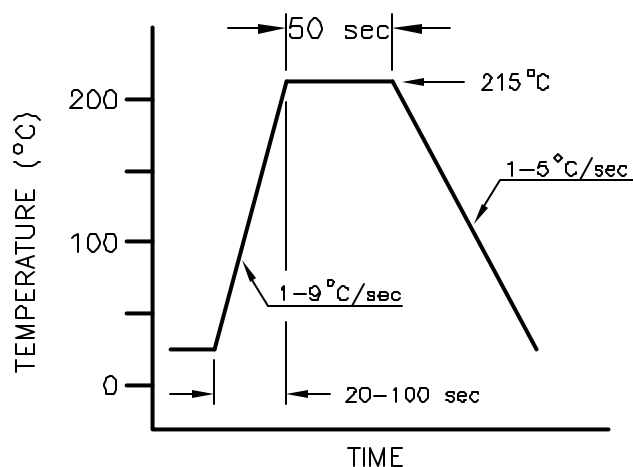
- 1 — INPUT
- 2 — GROUND
- 3 — OUTPUT
- 4 — GROUND

SURFACE MOUNT CRYSTAL UNIT

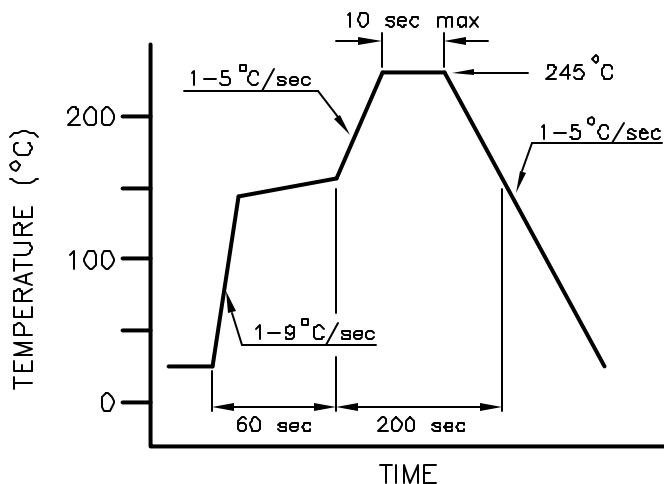
SOLDERABILITY CONDITIONS

260°C Max x 10 Seconds Max x 2 Times Max
or
230°C Max x 180 Seconds Max x 1 Time

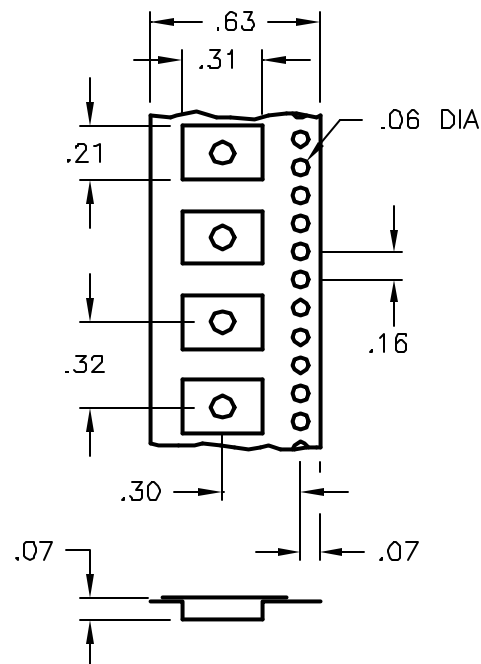
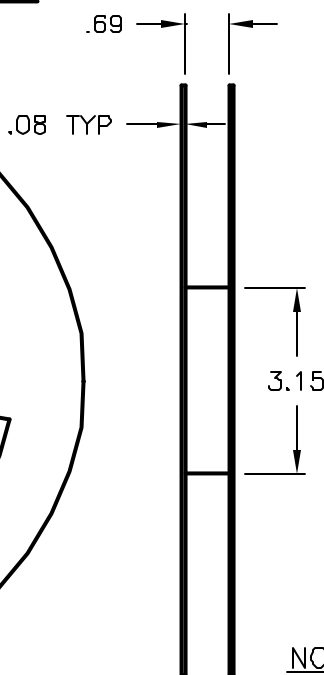
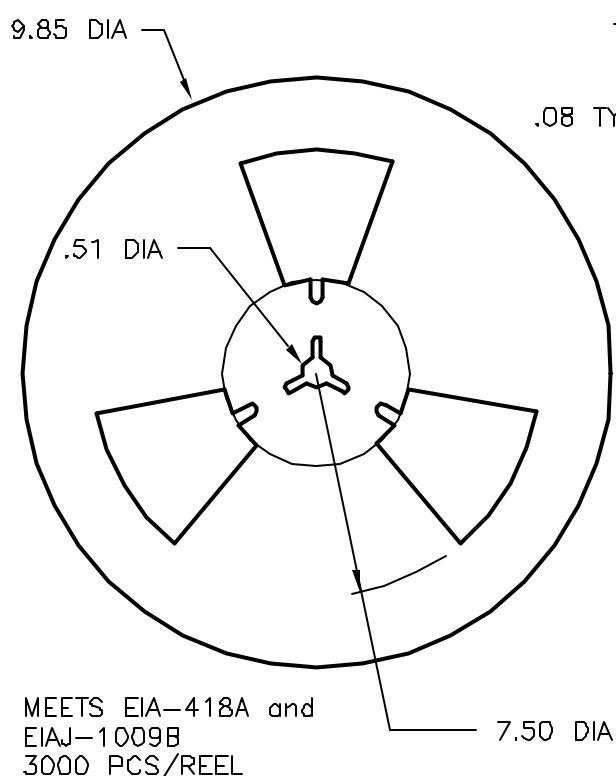
VAPOR PHASE REFLOW



INFRARED RAYS REFLOW



TAPING AND REEL



NOTE: Unless otherwise specified, parts over 3000 pcs come on tape. 3000 pcs/reel. 1000 pcs/reel also available. Prices include tape and reel cost for 1000 pcs or over. Below 1000 pcs are supplied in bulk.