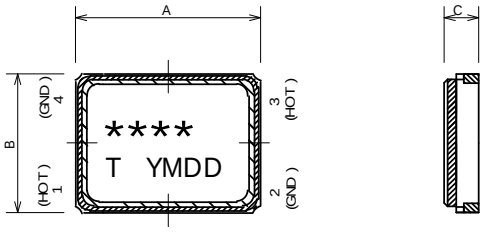
Crystal Unit

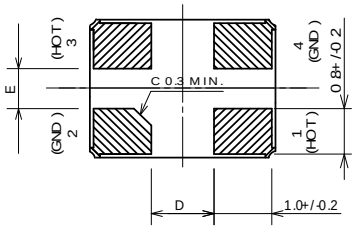
for Sounds ID

1. Specification

No.	Parameters	Requirements
1	Package type	TSX-3225
2	Nominal frequency	12.000000MHz
3	Mode of vibration	AT-cut / Fundamental
4	Storage temp. range	-40 to +85degC
5	Operating temp. range	-10 to +70degC
6	Frequency tolerance	+/-10 ppm max.(at +25+/-2degC)
7	Frequency stability	+/-10 ppm max.(-10 to +70degC, Ref. +25degC)
8	Resonance resistance	100 ohm max.
9	Drive level	100 uW max.
10	Load capacitance	10.0 pF
11	Aging	+/-3.0 ppm max., 1st year at 25deg.C
12	Insulation resistance	500 M ohms min. / DC 100V +/- 15V

2. Dimension and Marking (Example)

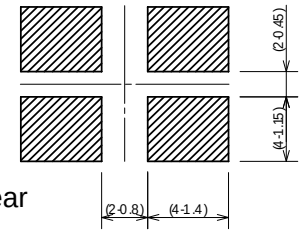




Size in mm

A	B	C	D	E
3.20	2.50	0.60	1.00	0.70
+/-0.15	+/-0.15	max.	+/-0.20	+/-0.20

[LAND PATTERN]



Marking Description

Laser marking ET's ID (4 digits)

ET Mark (T)

Lot No. (4 digits)

Y: the last 1 digit of year

M: 1 digit of month

(Jan to Sept; 1 to 9, Oct; X, Nov; Y, Dec; Z)

DD: 2 digits of day

Package

Lid :KOVAR, Electrolytic Ni plating

Base :Ceramic, W+Ni+Au plated

Seal :Seam Weld, N2 gas

DRAW: A. Inoshita 2006/03/02 Design Department/Crystal Unit Grp.

CHK'D: Y. Kawaguchi Development & Design Management Division

APP: J. Kusano

EPSON TOYOCOM CORPORATION