

I 应达利电子股份有限公司

INTERQUIP ELECTRONICS (SHENZHEN) CO., LTD.

3-4/F Block A, 1-3/F Block D, No.2 Tengfeng Road, Fenghuang Community, Fuyong Town, Baoan District, Shenzhen, China

Tel:+86-755-33251781. Fax:+86-755-29128486. Postal code:518103

Web:www.interquip.com Email: iqlsales@interquip-chinasz.com

Customer Approval Sheets

Product: Crystal Resonator
 Description: SMCE3225 4pads
 IQG P/N: 5YAA40000121TF30Q2 VER: 0.1
 Ref No:
 Customer P/N:

| | | | |
|-------------------|-------|-------|-------|
| Approval Section: | | | |
| Date: | | | |
| Customer: | | | Attn: |
| DEPT. | DEPT. | DEPT. | DEPT. |
| | | | |

| | | |
|--------------|-------------|--------------|
| Prepared by: | Checked by: | Approved by: |
| | | |



RoHS

IQL has been certified for the above management systems.

Not suitable for ultrasonic welding. ultrasonic welding to other specifications



Specification

PART NO 5YAA40000121TF30Q2

1. Scope:

- 1.1 This specification applies to the RoHS compliance quartz crystal unit with a frequency of 40MHz which will be used in crystal oscillator applications.

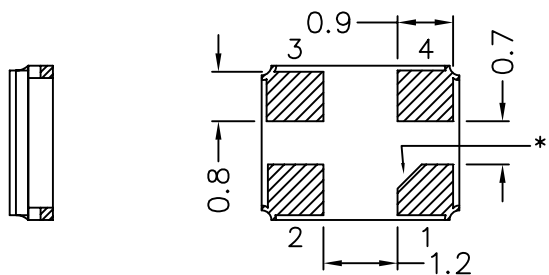
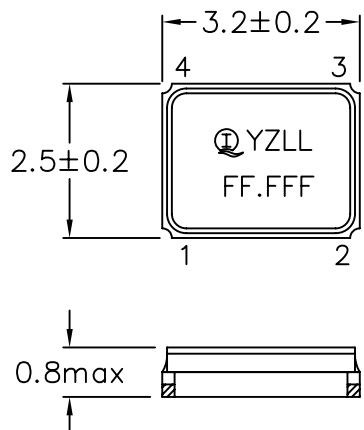
2. Construction:

- 2.1 Type of Quartz Resonator: SMCE3225 4pads

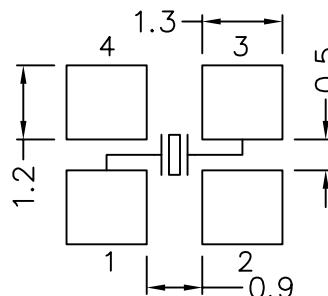
3. Electrical Characteristics

- | | | |
|---|---|----|
| 3.1 Nominal Frequency(f): | 40,000,000 | Hz |
| 3.2 Load Capacitance(C_L): | 12pF | |
| 3.3 Frequency Tolerance($\Delta f/f$): | ± 10 ppm | |
| 3.4 Frequency Temperature Stability: | ± 20 ppm | |
| 3.5 Resonance Resistance(ohm): | 30ohms Max | |
| 3.6 Osc mode: | Fundamental mode | |
| 3.7 Shunt Capacitance(C_0): | <2pF | |
| 3.8 Drive Level(D_L): | < 100 μ W | |
| 3.9 Operating Temperature Range(T_{OPR}): | -40 to + 85°C | |
| 3.10 Storage Temperature Range(T_{STG}): | -55 to + 125°C | |
| 3.11 Insulation Resistance(IR): | >500 M ohms | |
| 3.12 Aging(Δf_A): | ± 3 ppm per Year | |
| 3.13 Marking: | Q+DateCode+LotCode+40.000 | |
| 3.14 OTHERS: | Not recommended for safety applications | |

EXTERNAL DIMENSIONS



*1: Chamfer is either on Pin 1 or on Pin 4



MARKING SPECIFICATIONS

RECOMMENDED SOLDERING PATTERN

— INTERQUIP COMPANY'S LOGO

FF.FFF — REPRESENT FREQUENCY (MHz)

Y — REPRESENT MONTH

" Y " :

| MONTH | Jan | Feb | Mar | Apr. | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| MARK | A | B | C | D | E | F | G | H | J | K | L | M |

Z — REPRESENT THE LAST DIGIT OF THE YEAR

LL — REPRESENT LOT CODE

2. DO NOT SCALE DRAWING

NOTES: 1. ALL DIMENSIONS ARE IN mm



Interquip Electronics Co., Ltd

TITLE SMD RESONATOR

DWN. XJ Li

DATE 2018.10.29

PART NO.

TOLERANCE

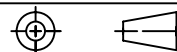
CHKD Kevin Leung

MODEL SMCE-3225-4pads

X.±0.3 X.X±0.15
X.XX±0.1 ANGULAR±2.5°

DATE 2018.10.29

REMARK



APPD. CS Chiang

DATE 2018.10.29

REV.9 2018.10.29

UPDATE MARKING DESCRIPTION

XJ LI

DATE

MODIFY DESCRIPTION

BY

DWG.NO. 004-061J7-002

REV. 9