



INTERQUIP ELECTRONICS CO., LIMITED

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Crystal Resonator Specification and Approval Sheet

Customer: RS COMPONENTS

Project Name: N/A

Applications: N/A

Contact Person: N/A

Customer Part Number: N/A

1. Scope:

1.1 This specification applies to quartz crystal unit with a frequency of 6.000000MHz, Which will be used in crystal oscillator applications.

2. Construction:

2.1 Type of Holder: SMAQ-7050B (4 pad) (RoHS Compliant)

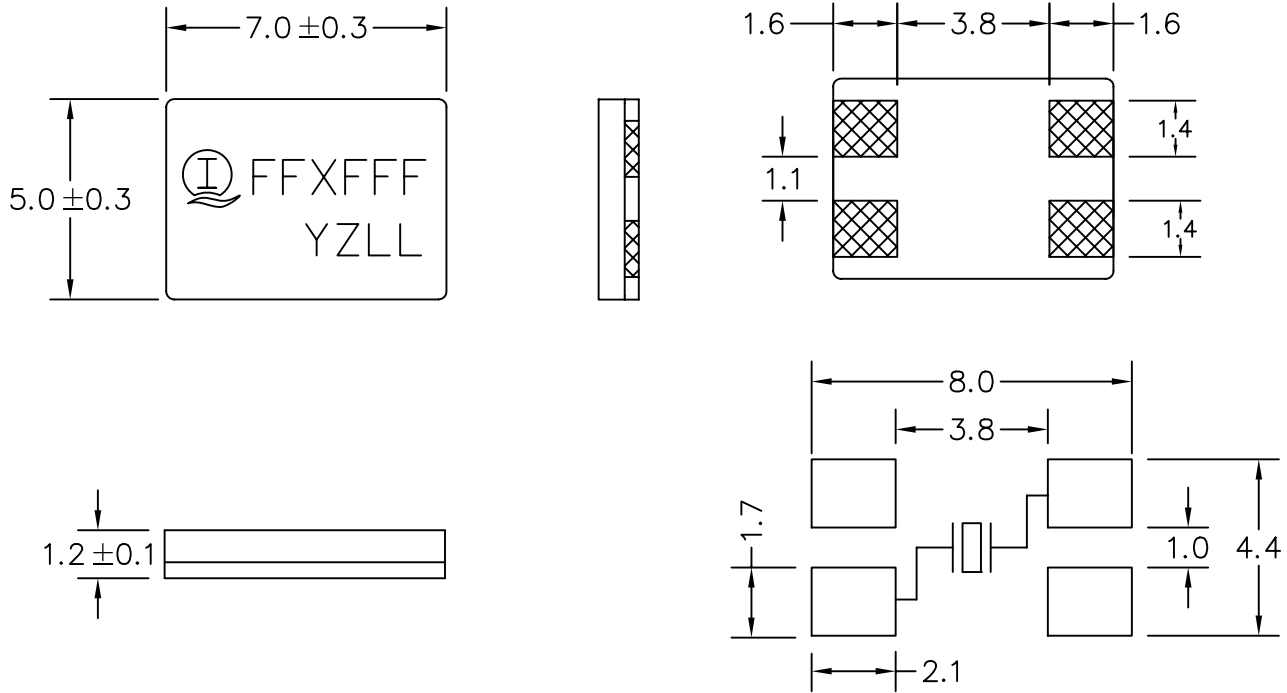
2.2 Enclosure Seal: Expoy Resin Hermetic Seal

3. Characteristics:

| | | | |
|------|--------------------------------------|---------------------|----------------------|
| 3.1 | Nominal Frequency | (f) | 6.000000MHz |
| 3.2 | Mode of Vibration | | Fundamental |
| 3.3 | Load Capacitance | (C _L) | 12pF |
| 3.4 | Frequency Tolerance at 25 °C±3 °C | (Δ f/f) | ±30ppm |
| 3.5 | Resonance Resistance | (Ω) | 80 Ohm Max. |
| 3.6 | Shunt Capacitance | (C ₀) | 7.0pF Max. |
| 3.7 | Drive Level | (D _L) | 0.1mW |
| 3.8 | Frequency Deviation with Temperature | (Δ f/f) | ±30ppm |
| 3.9 | Operating Temperature Range | (T _{OPR}) | -40°C to 85°C |
| 3.10 | Storage Temperature Range | (T _{STG}) | -40°C to 85°C |
| 3.11 | Insulation Resistance | (SR) | 500M Ω or More |
| 3.12 | Aging | (Δ f _A) | ±5 ppm per Year Max. |

| | | | | | | | |
|------|--------------------|----|---------------------|--------------------------------|----------------|-------|----------|
| | | | | TITLE CRYSTAL RESONATOR | | DWG. | M Zhao |
| | | | | | | DATE | 11-01-13 |
| | | | | PART NO : 5PCA06000123TF80Q3 | TOLERANCE | CHKD. | M Zhao |
| | | | | MODEL SMAQ-7050B (4 pad) | X.± X.X± | DATE | 11-01-13 |
| | | | | REMARK | X.XX± ANGULAR± | APPD. | XM Sun |
| | | | | | | DATE | 11-01-13 |
| DATE | MODIFY DESCRIPTION | BY | SALESMAN: Gary Chan | SHEET 1/2 | | REV | 0 |

EXTERNAL DIMENSIONS



MARKING SPECIFICATIONS

RECOMMENDED SOLDERING PATTERN

 — COMPANY'S LOGO

FF FFF — REPRESENT FREQUENCY (MHz)

X — REPRESENT PRODUCTION LINE CODE

YZ — REPRESENT MONTH & YEAR CODE RESPECTIVELY

" 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 " CODE IS THE LAST NUMBER OF PRODUCTION YEAR

FOR INSTANCE:

| | | | | | |
|------|------|------|------|------|------|
| YEAR | 2009 | 2010 | 2011 | 2012 | 2013 |
| MARK | 9 | 0 | 1 | 2 | 3 |

LL — REPRESENT LOT CODE (AA-ZZ)

2. DO NOT SCALE DRAWING

NOTES: 1. ALL DIMENSIONS ARE IN MM



Interquip Electronics Co., Ltd

TITLE SMD RESONATOR

DWN. H_Zhang

DATE 2009.3.2

PART NO.

TOLERANCE

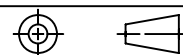
CHKD M_Zhao

MODEL SMAQ-7050

X.±0.3 X.X±0.15
X.XX±0.05 ANGULAR±

DATE 2009.3.2

REMARK



APPD. Xm_Sun

DATE 2009.3.2

DATE MODIFY DESCRIPTION BY

DWG.NO. 004-061F7-004

REV.1