INTERQUIP ELECTRONICS CO., LIMITED

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Crystal Resonator Specification and Approval Sheet

Customer: RS COMPONENTS

Project Name: N/A **Contact Person:** N/A

Applications: N/A **Customer Part Number:** N/A

1. Scope:

1.1 This specification applies to quartz crystal unit with a frequency of 11.059200MHz, which will be used in crystal oscillator applications.

2. Construction:

2.1 Type of Holder: SMAQ-5032A (2pads) RoHS Compliant

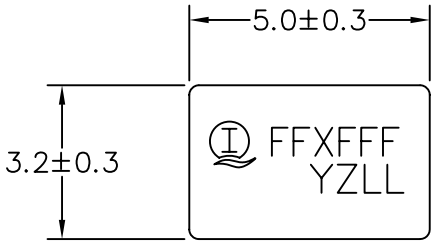
2.2 Enclosure Seal: Epoxy Resin Hermetic Seal

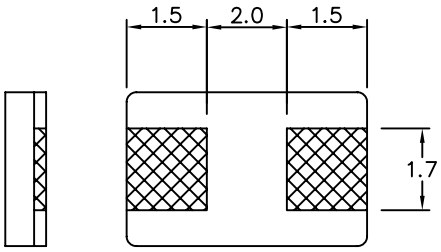
3. Characteristics:

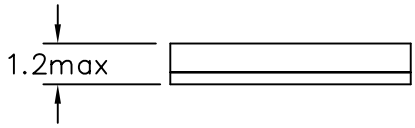
3.1	Nominal Frequency	**(f)**	**11.059200MHz**
3.2	Mode of Vibration		**Fundamental**
3.3	Load Capacitance	**(C_L)**	**12pF**
3.4	Frequency Tolerance at 25 °C±3 °C	**($\Delta f/f$)**	**±30 ppm**
3.5	Resonance Resistance	**(Ω)**	**80 Ohm Max.**
3.6	Shunt Capacitance	**(C_0)**	**7pF Max.**
3.7	Drive Level	**(D_L)**	**0.1mW**
3.8	Frequency Deviation with Temperature	**($\Delta f/f$)**	**±30 ppm**
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	**(Δf_A)**	**± 5 ppm per Year Max.**

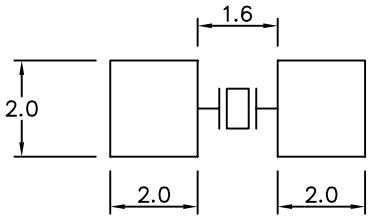
				TITLE **CRYSTAL RESONATOR**			DWG.	**M Zhao**
							DATE	**11-01-11**
				PART NO **5RDA11059123TF80Q3**		TOLERANCE	CHKD.	**J Mok**
				MODEL **SMAQ-5032A (2 pads)**		X.± X.X±	DATE	**11-01-11**
				REMARK		X.XX.± ANGULAR±	APPD.	**XM Sun**
							DATE	**11-01-11**
	DATE	MODIFY DESCRIPTION	BY	SALESMAN :Gary Chan		SHEET **1/3**		REV **0**

EXTERNAL DIMENSIONS









RECOMMENDED SOLDERING PATTERN

MARKING SPECIFICATIONS

— 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)

NOTES: 1. ALL DIMENSIONS ARE IN MM

2. DO NOT SCALE DRAWING

Interquip Electronics Co., Ltd

				TITLE	SMD RESONATOR	DWN.	H_Zhang
						DATE	2009.3.2
				PART NO.		CHKD	M_Zhao
				MODEL	SMAQ–5032	DATE	2009.3.2
				REMARK		APPD.	Xm_Sun
						DATE	2009.3.2
	DATE	MODIFY DESCRIPTION	BY	DWG.NO.	004–061G9–006	REV.	1

TOLERANCE
X.±0.3 X.X±0.15
X.XX±0.05 ANGULAR±