



INTERQUIP ELECTRONICS CO., LIMITED

Flat A, 9th Floor, On Shing Industrial Building, 2-16 Wo Liu Hang Road,

Fotan, New Territories, Hong Kong

Tel: (852) 2413 5515 Fax: (852) 2413 7053

Web site: <http://www.interquip.com> Email: igl@interquip.com

Crystal Resonator Specification and Approval Sheet

Customer: RS COMPONENTS

Project Name: N/A

Applications: N/A

Contact Person: N/A

Part Number: N/A

1. Scope:

- 1.1 This specification applies to quartz crystal unit with a frequency of 25.000000MHz which will be used in crystal oscillator applications.

2. Construction:

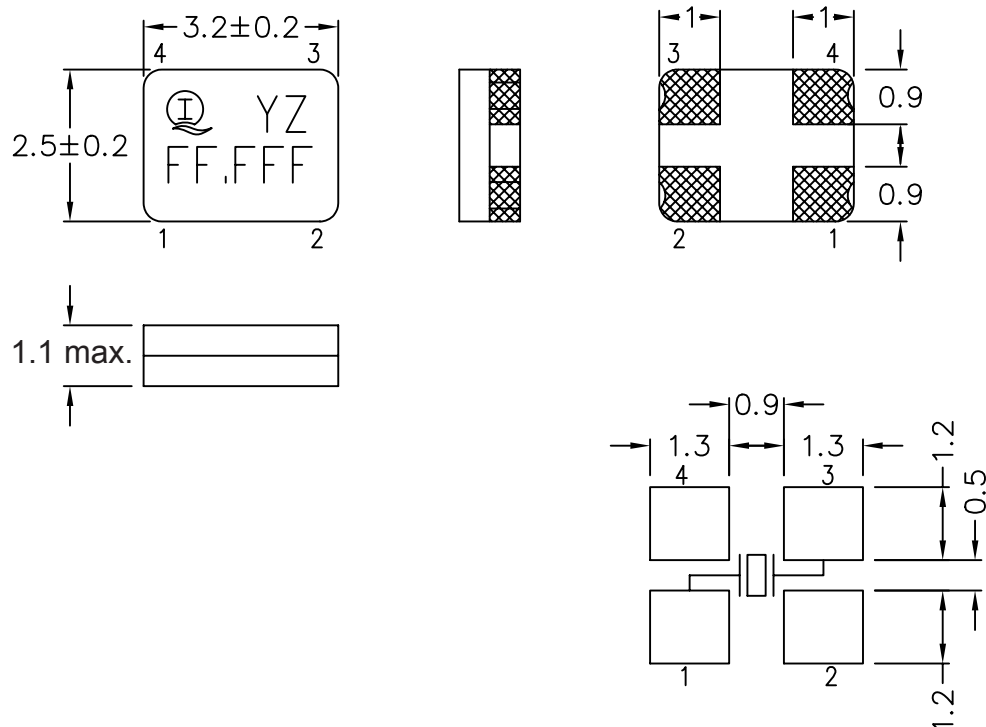
- 2.1 Type of Holder: SMAC-3225B (4 solder pads)
2.2 Enclosure Seal: Epoxy Resin Hermetic Seal (RoHS Compliant)

3. Characteristics:

3.1	Nominal Frequency Range	(f)	25.000000MHz
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 Ohms Max.
3.6	Shunt Capacitance	(C ₀)	7pF 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})	-55°C to 125°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
				P/N:	5YEA25000123TF80Q3		DATE	11-01-11
				MODEL	SMAC-3225B		CHKD.	Cs Chiang
						X± X.X±	DATE	11-01-11
						X.XX± ANGULAR±	APPD.	XM Sun
							DATE	11-01-11
	DATE	MODIFY DESCRIPTION	BY	SALES : Gary Chan			SHEET 1/2	REV 0

EXTERNAL DIMENSIONS



MARKING SPECIFICATIONS

RECOMMENDED SOLDERING PATTERN

① — INTERQUIP COMPANY'S LOGO

FF.FFF — REPRESENT FREQUENCY (MHz)

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

2. DO NOT SCALE DRAWING

NOTES: 1. ALL DIMENSIONS ARE IN MM



Interquip Electronics Co., Ltd

TITLE				DWN.	
SMD RESONATOR				M Zhao	
PART NO.				DATE	
MODEL SMAC-3225				2009.9.18	
REMARK				CHKD Johnson Mok	
				DATE	
				2009.9.18	
				APPD. Xm_Sun	
				DATE	
				2009.9.18	
DATE	MODIFY	DESCRIPTION	BY	DWG.NO.	REV. 1
				004-061J7-008	