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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 12.000000MHz 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)	12.000000MHz
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)	120 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
							DATE	11-01-11
P/N:				5YEA12000123TFA2Q3		TOLERANCE	CHKD.	Cs Chiang
MODEL				SMAC-3225B		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

