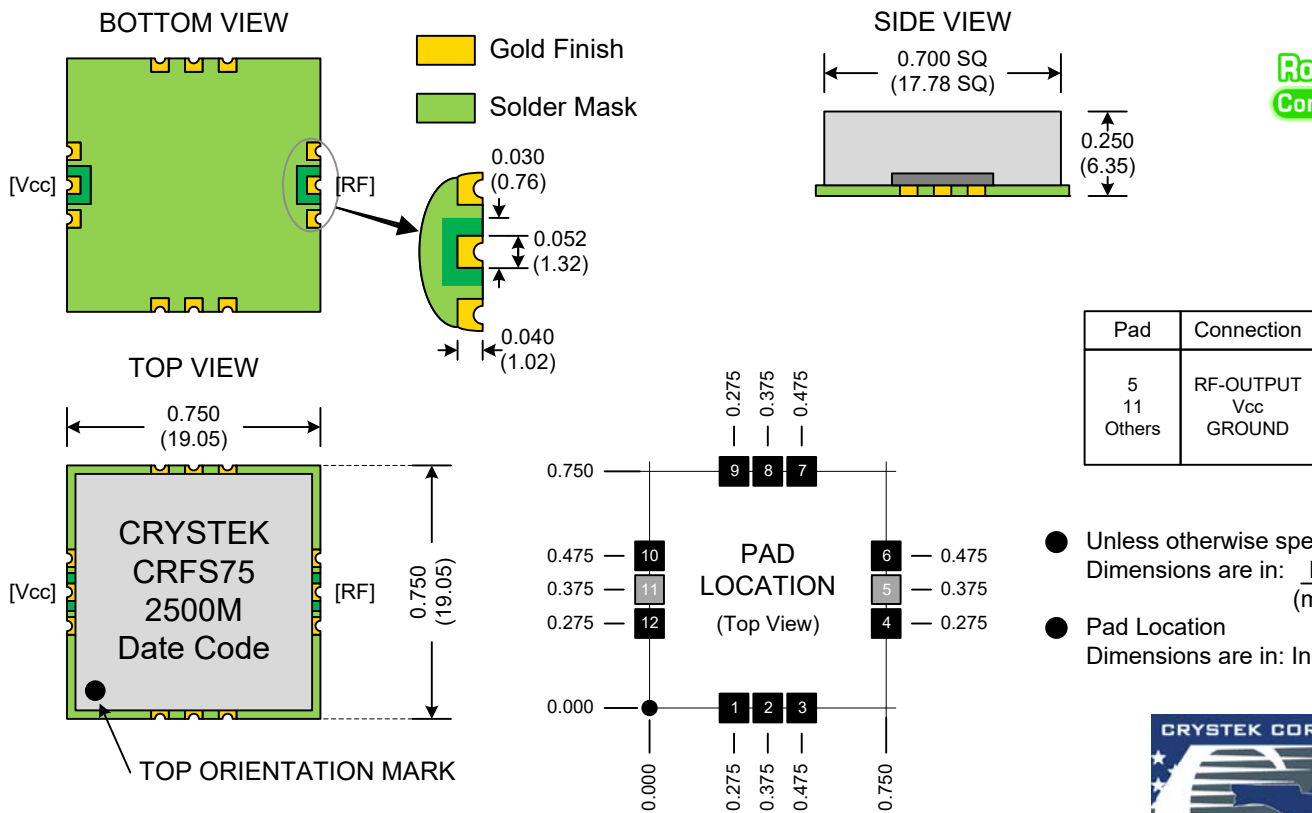
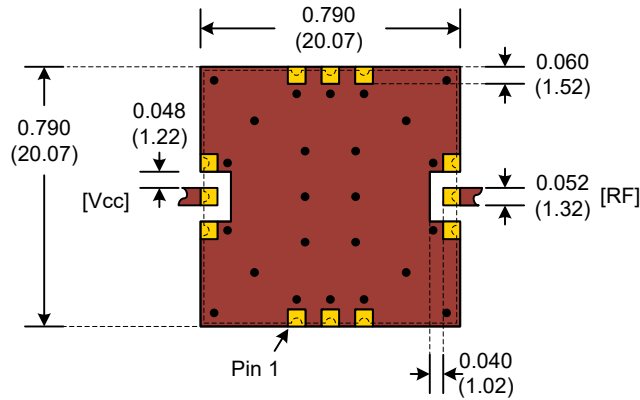


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Output Frequency:		2500		MHz
Frequency Accuracy:	-25		+25	ppm
Operating Temperature Range:	-20		+70	°C
Output Power:	+3			dBm
Input Power:	4.75	5.0	5.25	VDC
Input Current:		110	150	mA
Phase Noise @ 1kHz offset:		-100		dBc/Hz
Phase Noise @ 10kHz offset:		-105		dBc/Hz
Phase Noise @ 100kHz offset:		-130		dBc/Hz
Phase Noise @ 1MHz offset:		-155		dBc/Hz
Phase Noise @ 10MHz offset:		-165		dBc/Hz
Phase Jitter RMS (1kHz to 10MHz):		70	100	fsec




Product Control:			
Crystek Part Number:	CRFS75-2500	Release Date:	02-Nov-2017
Revision Level:	H	Responsible:	C. Vales


Suggested PCB Layout



● Unless otherwise specified,
Dimensions are in: $\frac{IN}{(mm)}$

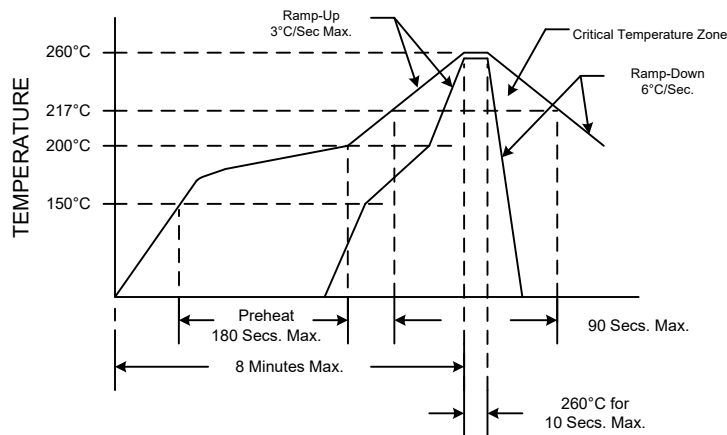
Notes: 1. Taper RF Line to match board geometry for a 50 ohm line

 2. Denotes Copper on Mother Board (SMOBC)

 3. Denotes No Mask

4. External AC coupling capacitor required

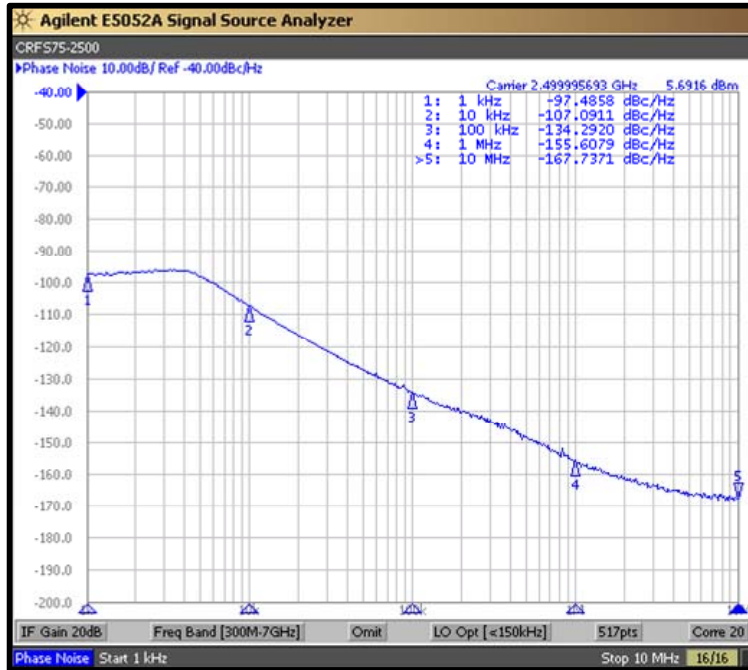
RECOMMENDED REFLOW SOLDERING PROFILE



NOTE: Reflow Profile with 240°C peak also acceptable.

Product Control:

Crystek Part Number:	CRFS75-2500	Release Date:	02-Nov-2017
Revision Level:	H	Responsible:	C. Vales



Parameter	Conditions
Mechanical Shock	MIL-STD-883, Method 2002, Condition B
Mechanical Vibration	MIL-STD-883, Method 2007, Condition A
Solderability	MIL-STD-883, Method 2003
Solvent Resistance	MIL-STD-202, Method 215
Resistance to Soldering Heat	MIL-STD-202, Method 210, Condition I or J
Thermal Shock	MIL-STD-883, Method 1011, Condition A
Moisture Resistance	MIL-STD-883, Method 1004

Product Control:

Crystek Part Number:	CRFS75-2500	Release Date:	02-Nov-2017
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