

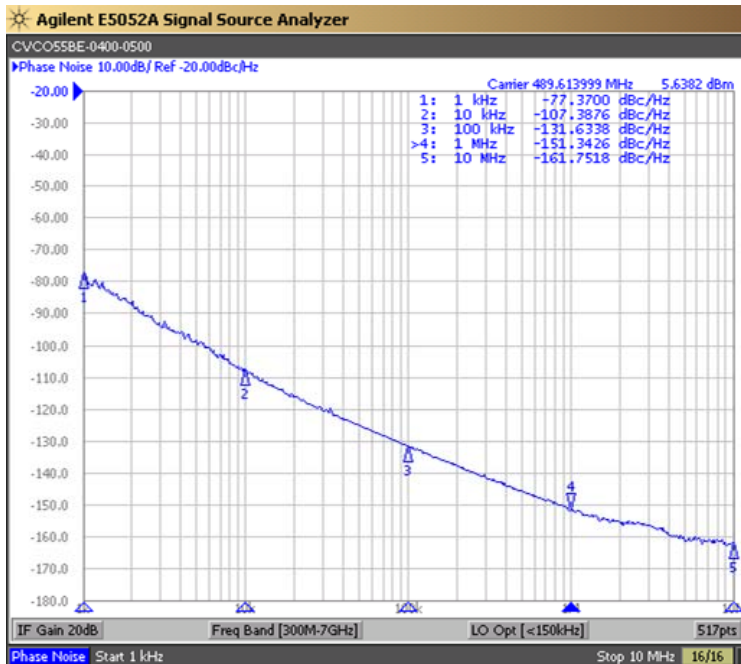
Voltage Controlled Oscillator-VCO

CVCO55BE-0400-0500

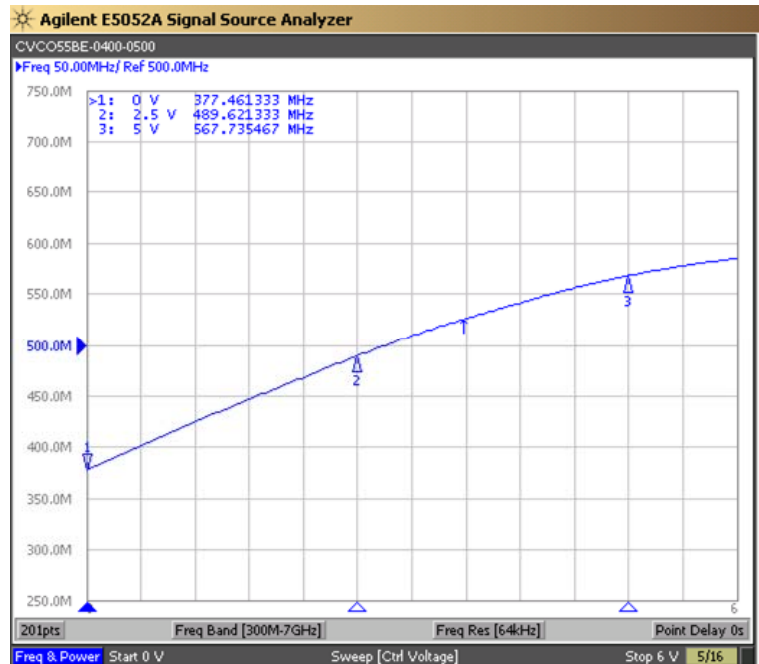


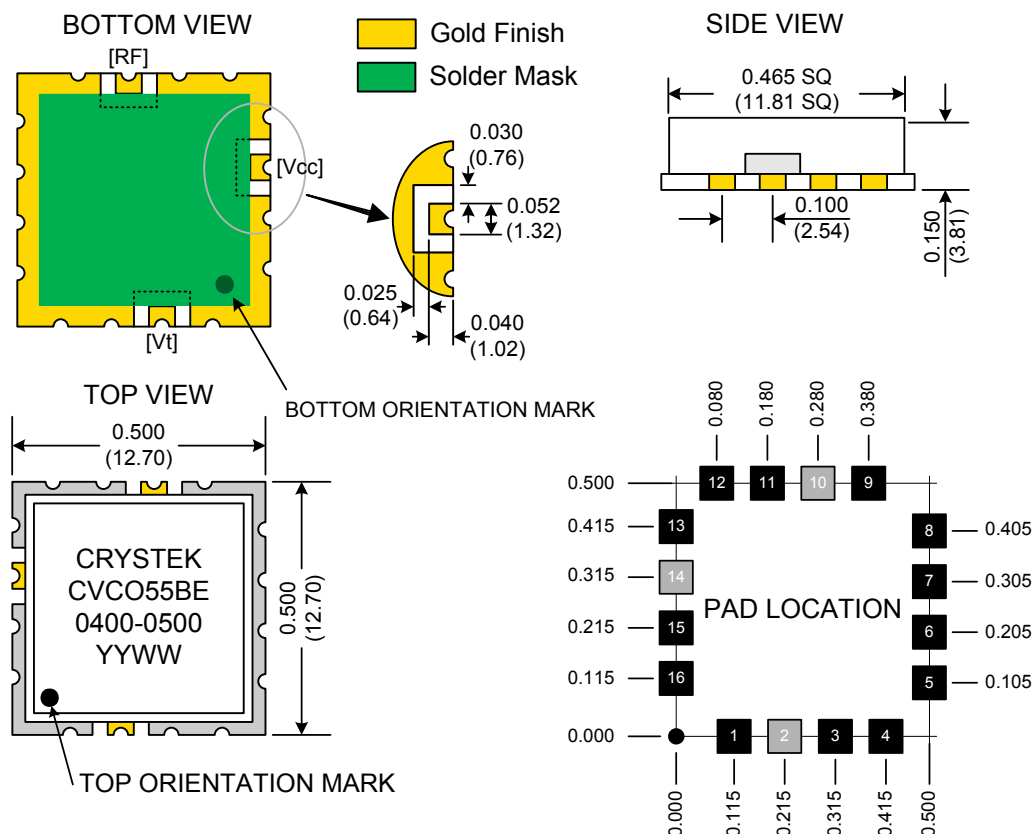
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			400	MHz
Upper Frequency:	500			MHz
Tuning Voltage:	0		5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+2.0	+4.0	+6.0	dBm
Supply Current:		17	22	mA
Harmonic Suppression (2 nd Harmonic):		-10	-5	dBc
Pushing:		2.5	5.0	MHz/V
Pulling, all Phases:		1.5	3.0	MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-109	-106	dBc/Hz
Phase Noise @ 100kHz offset:		-135	-133	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			200	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

Phase Noise (1 Hz BW, Typical)

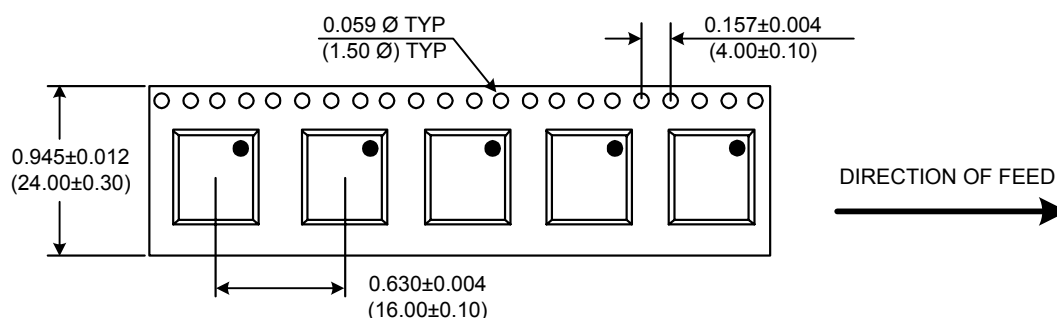


Tuning Curve (Typical)





TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55BE-0400-0500	Release Date:	26-March-08
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice