

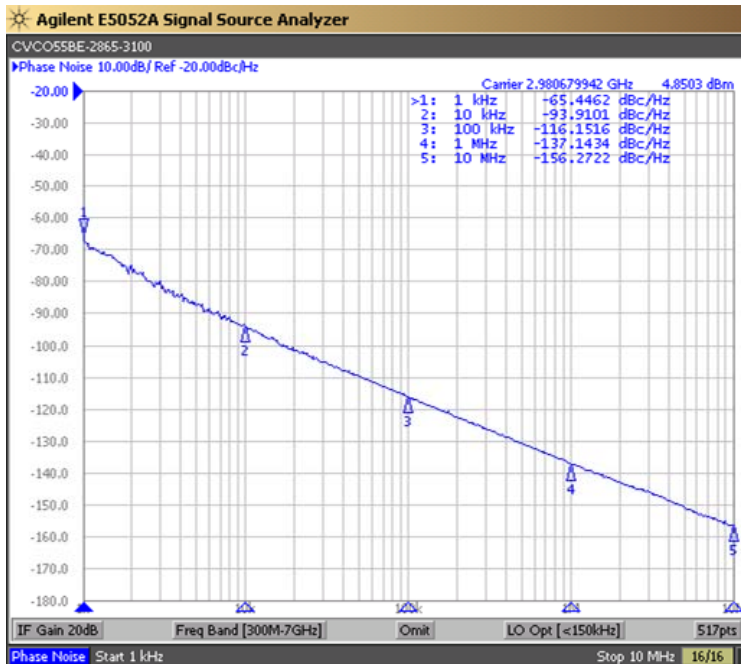
Voltage Controlled Oscillator-VCO

CVCO55BE-2865-3100

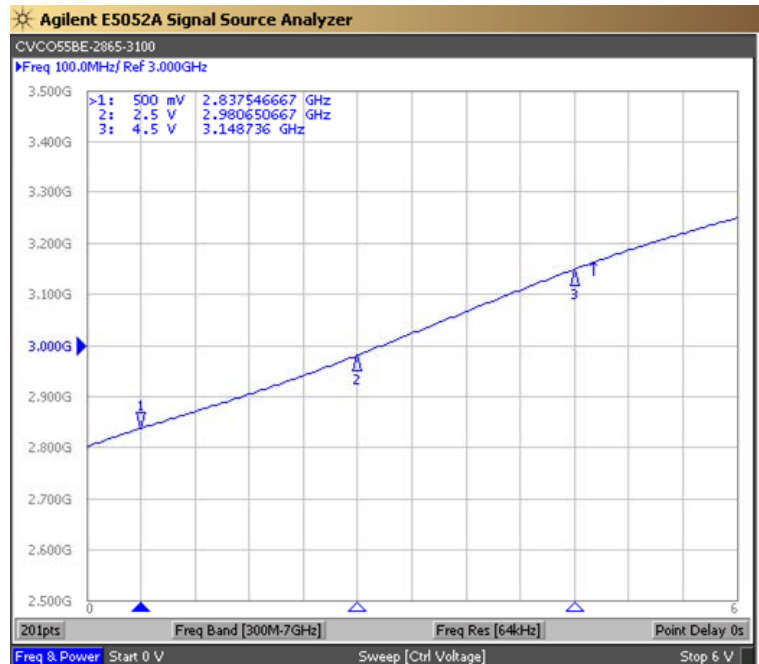


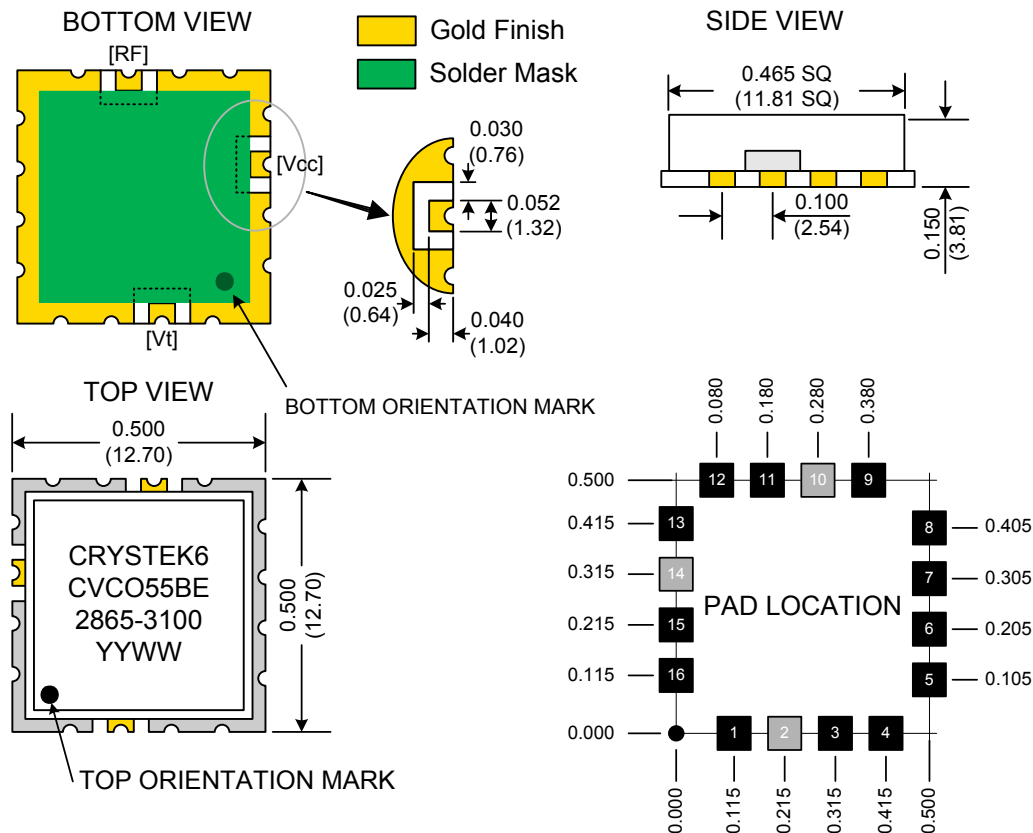
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2865	MHz
Upper Frequency:	3100			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+2.0	+4.0	+6.0	dBm
Supply Current:		15	20	mA
Harmonic Suppression (2 nd Harmonic):		-15	-10	dBc
Pushing:		1.5	2.0	MHz/V
Pulling, all Phases:		14	20	MHz pk-pk
Tuning Sensitivity:		110		MHz/V
Phase Noise @ 10kHz offset:		-91	-87	dBc/Hz
Phase Noise @ 100kHz offset:		-110	-106	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			15	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Phase Noise (1 Hz BW, Typical)

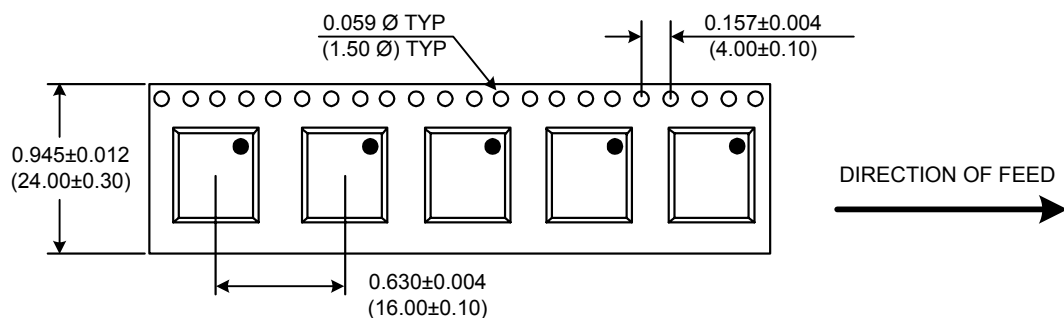


Tuning Curve (Typical)





TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55BE-2865-3100	Release Date:	18-March-08
Revision Level:	D	Responsible:	C. Vales

Specification is subject to change without notice

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