



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			2400	MHz
Upper Frequency:	2500			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:			25	mA
Harmonic Suppression (2 <sup>nd</sup> Harmonic):		-15		dBc
Pushing:		1.0	2.0	MHz/V
Pulling, all Phases:		11.0	13.0	MHz pk-pk
Tuning Sensitivity:		55		MHz/V
Phase Noise @ 10kHz offset:		-101		dBc/Hz
Phase Noise @ 100kHz offset:		-120		dBc/Hz
Load Impedance:		50		$\Omega$
Input Capacitance:			15	pF
Operating Temperature Range:	-40		+85	$^{\circ}$ C
Storage Temperature Range:	-45		+90	$^{\circ}$ C

**Special Features:**

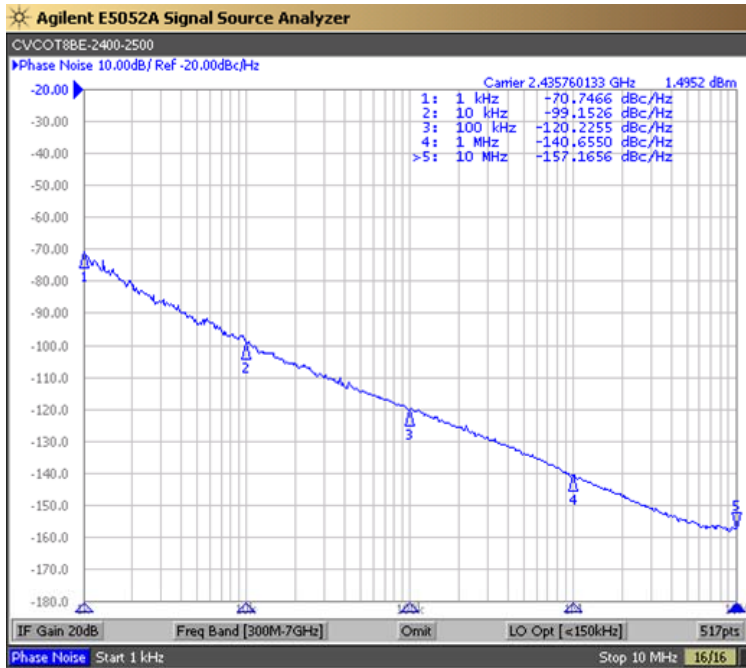
- No Internal Wire Bonds
- Resistance Welded for Hermetic Seal
- Low Phase Noise
- Gold Plated Pins



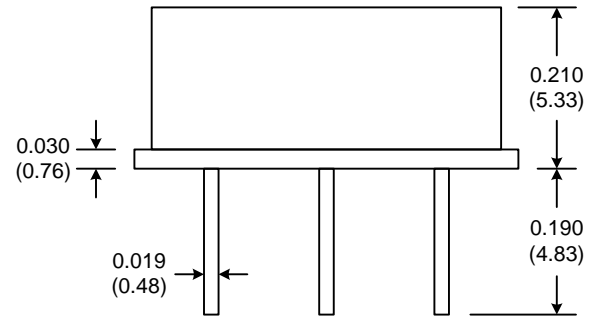
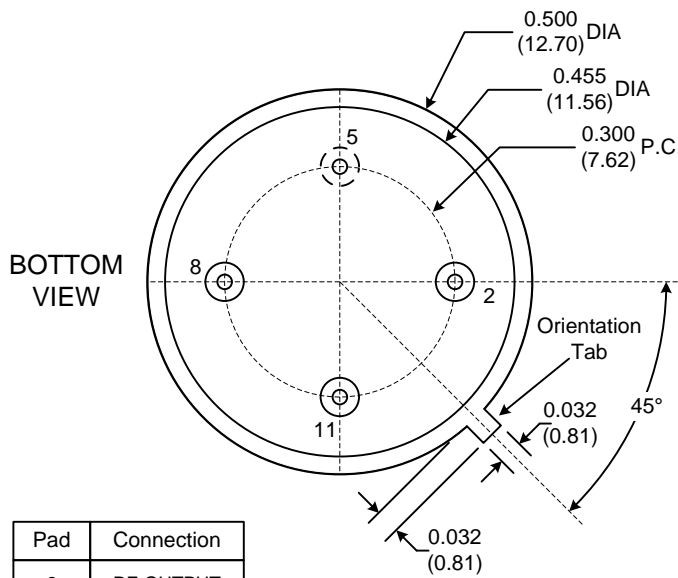
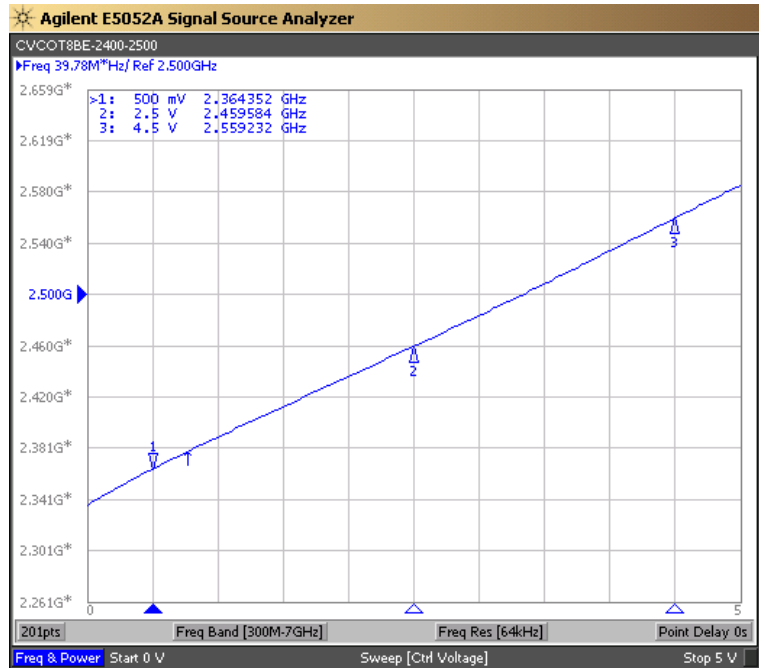
<b>Product Control:</b>			
Crystek Part Number:	CVCOT8BE-2400-2500	Release Date:	27-Aug-2014
Revision Level:	C	Responsible:	C. Vales



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Pad	Connection
2	RF-OUTPUT
5	GROUND
8	Vt
11	Vcc

- Unless otherwise specified, Dimensions are in: IN (mm)
- Orientation determined by tab, not by marking

**Product Control:**

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Specification is subject to change without notice