

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 nd 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		Ω
Input Capacitance:			15	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

Special Features:

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



Product Control:

Crystek Part Number:	CVCOT8BE-2400-2500	Release Date:	16-Aug-2019
Revision Level:	D	Responsible:	C. Vales

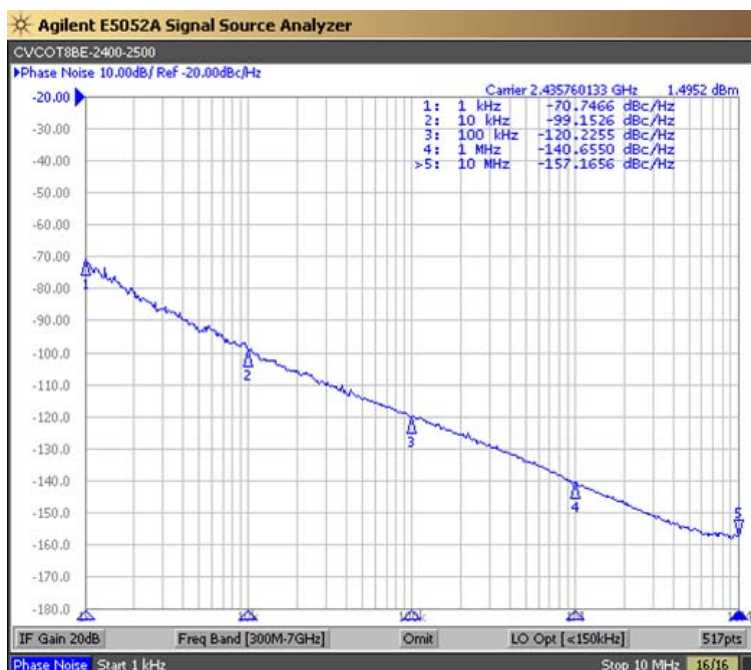




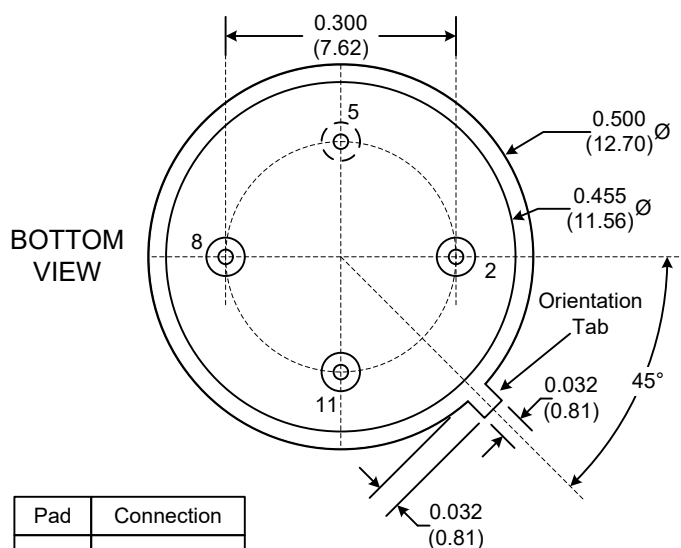
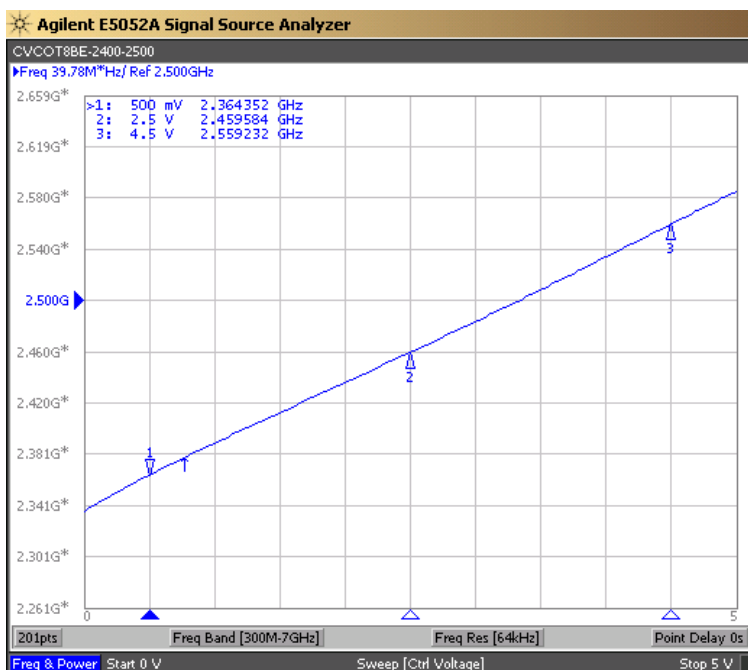
CRYSTEK
MICROWAVE
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Hermetic TO-8 VCO CVCOT8BE-2400-2500

Phase Noise (1 Hz BW, Typical)



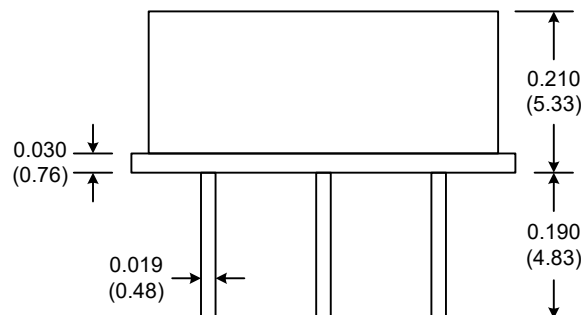
Tuning Curve (Typical)



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



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