



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			800	MHz
Upper Frequency:	1600			MHz
Tuning Voltage:	0.0		20.0	VDC
Supply Voltage:	14.75	15.0	15.25	VDC
Output Power:	+7.0	+10.0	+13.0	dBm
Supply Current:		15	20	mA
Harmonic Suppression (2 nd Harmonic):		-10		dBc
Pushing:		4.0	20.0	MHz/V
Pulling, all Phases:		20.0	27.0	MHz pk-pk
Tuning Sensitivity:		79		MHz/V
Phase Noise @ 10kHz offset:		-92	-81	dBc/Hz
Phase Noise @ 100kHz offset:		-120		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

Special Features:

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

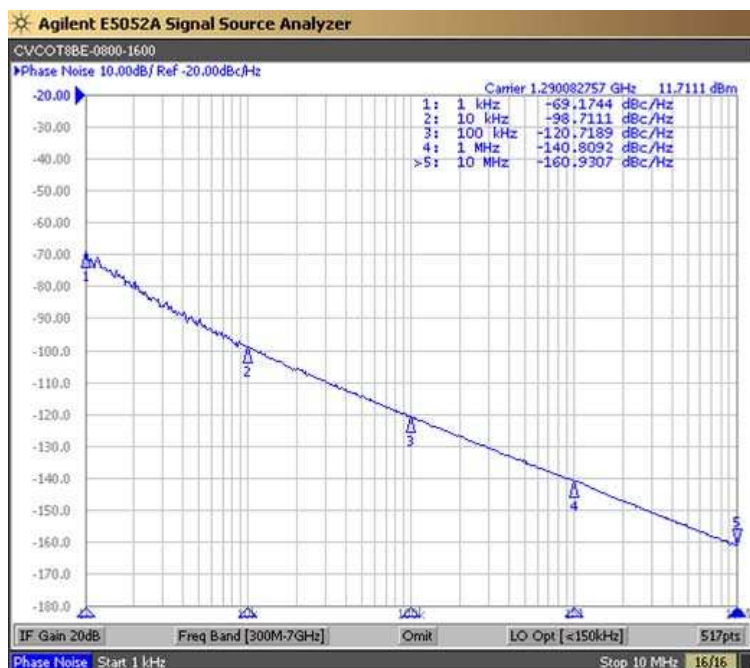




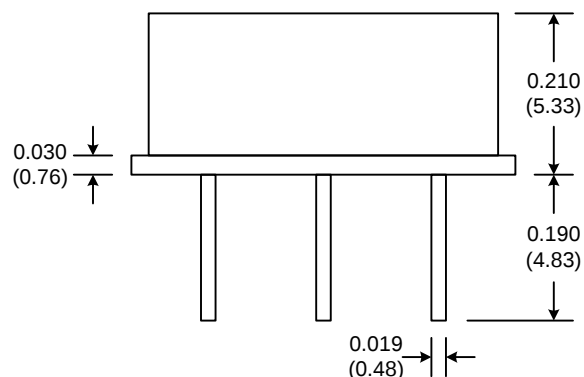
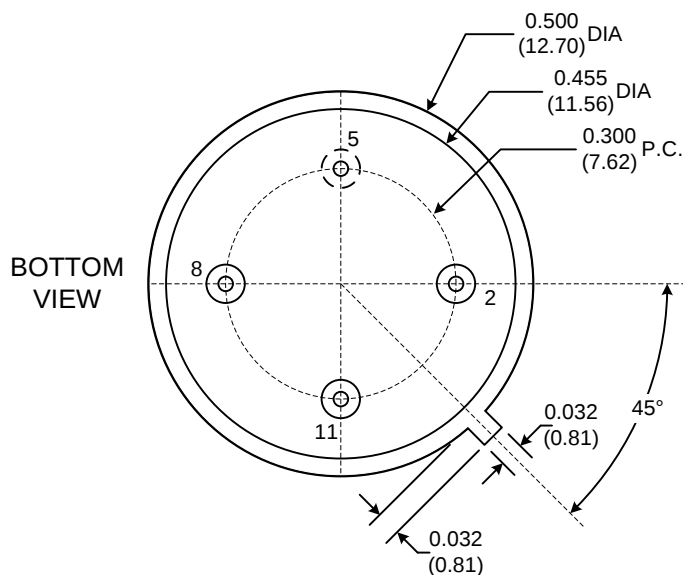
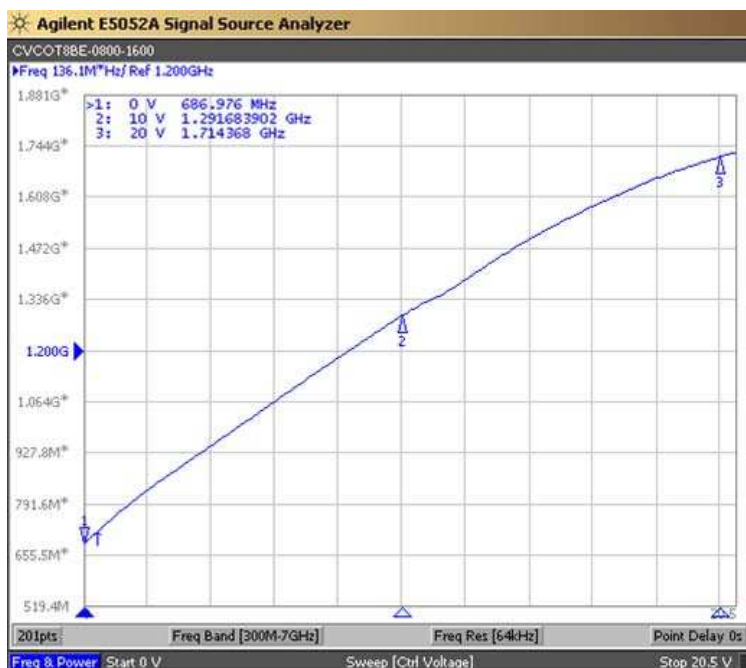
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Hermetic TO-8 VCO CVCOT8BE-0800-1600

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)

Product Control:

Crystek Part Number:	CVCOT8BE-0800-1600	Release Date:	09-Nov-10
Revision Level:	A	Responsible:	C. Vales

Specification is subject to change without notice

Page 2 of 2



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