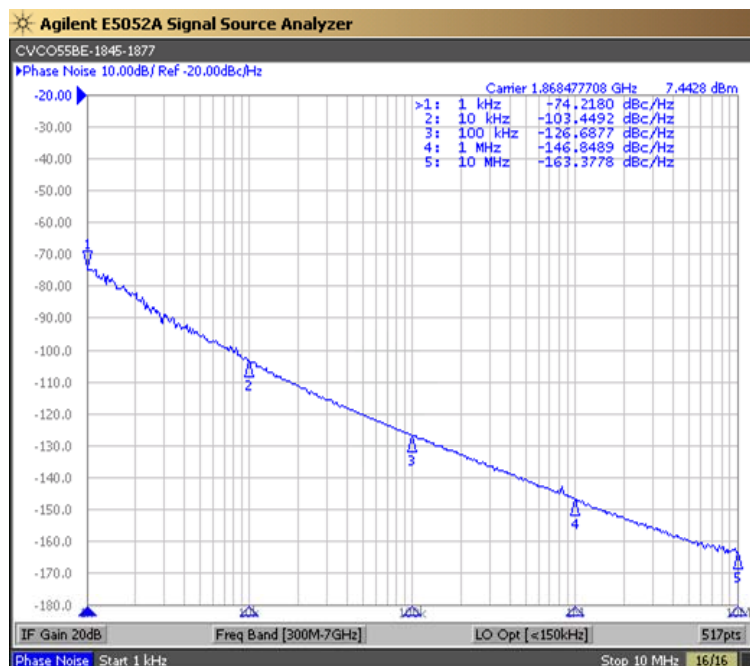
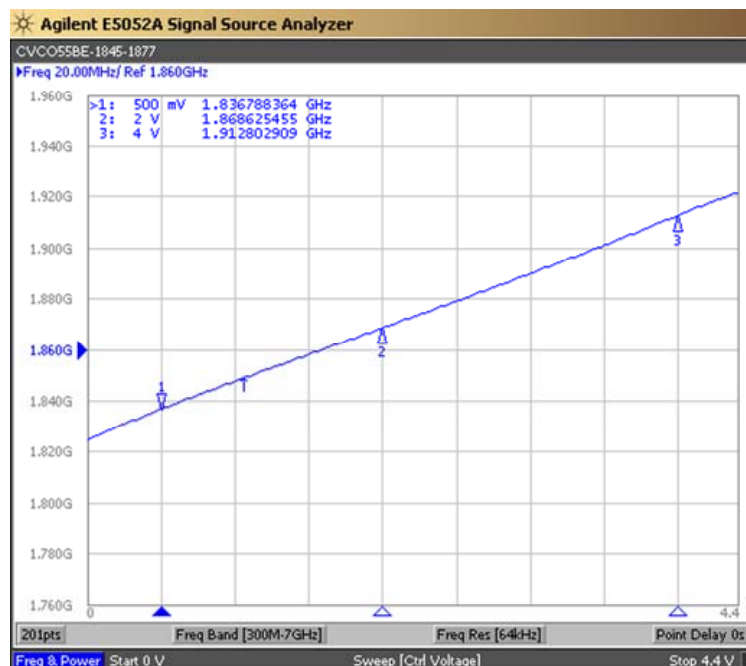


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1845	MHz
Upper Frequency:	1877			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	7.6	8.0	8.4	VDC
Output Power:	+4.0	+6.0	+8.0	dBm
Supply Current:			35	mA
Harmonic Suppression (2 nd Harmonic):		-13	-8	dBc
Pushing:			2.0	MHz/V
Pulling, all Phases:			4.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-106	-102	dBc/Hz
Phase Noise @ 100kHz offset:		-128	-123	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

Phase Noise (1 Hz BW, Typical)



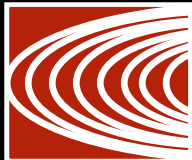
Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CVCO55BE-1845-1877	Release Date:	31-Jan-2018
Revision Level:	E	Responsible:	C. Vales

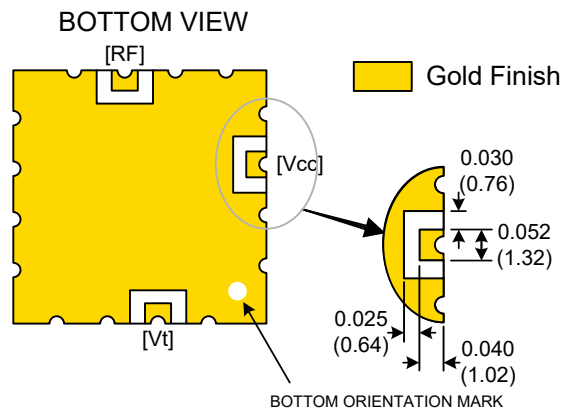




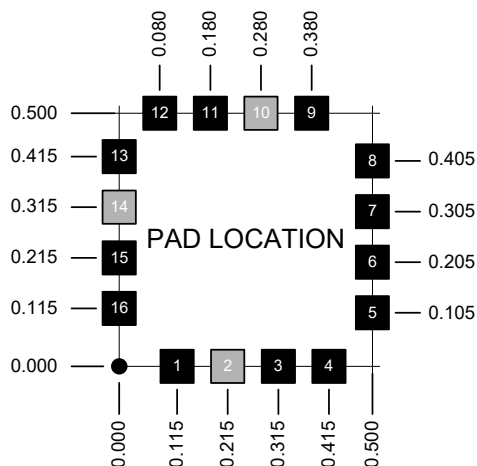
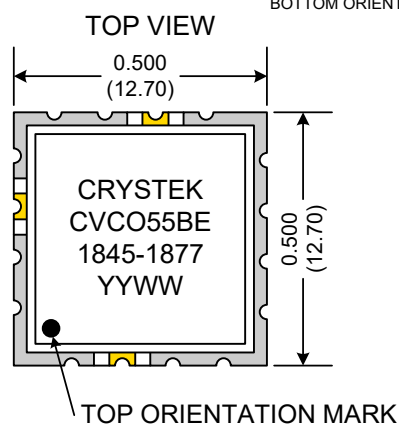
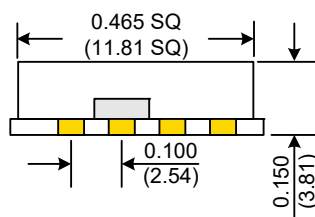
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Voltage Controlled Oscillator-VCO

CVCO55BE-1845-1877



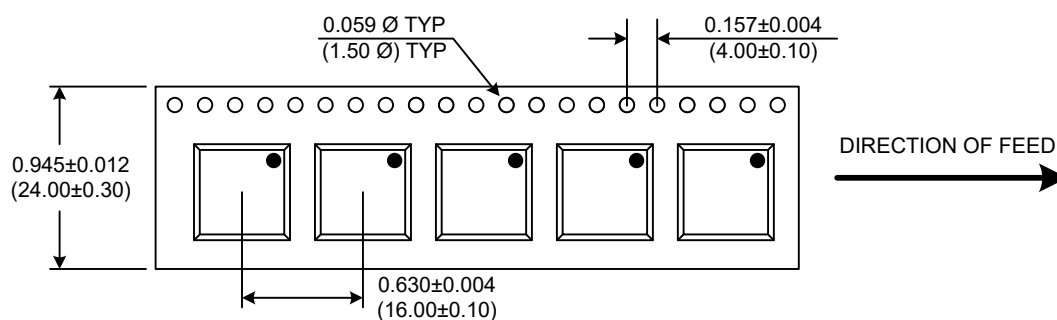
SIDE VIEW



Pad	Connection
2	Vt
10	RF-OUTPUT
14	Vcc
Others	GROUND

- Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{(\text{mm})}$
- Pad Location Dimensions are in: Inches

TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55BE-1845-1877	Release Date:	31-Jan-2018
Revision Level:	E	Responsible:	C. Vales

Specification is subject to change without notice

Page 2 of 2



CRYSTEK
CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Crystek:](#)

[CVCO55BE-1845-1877](#)