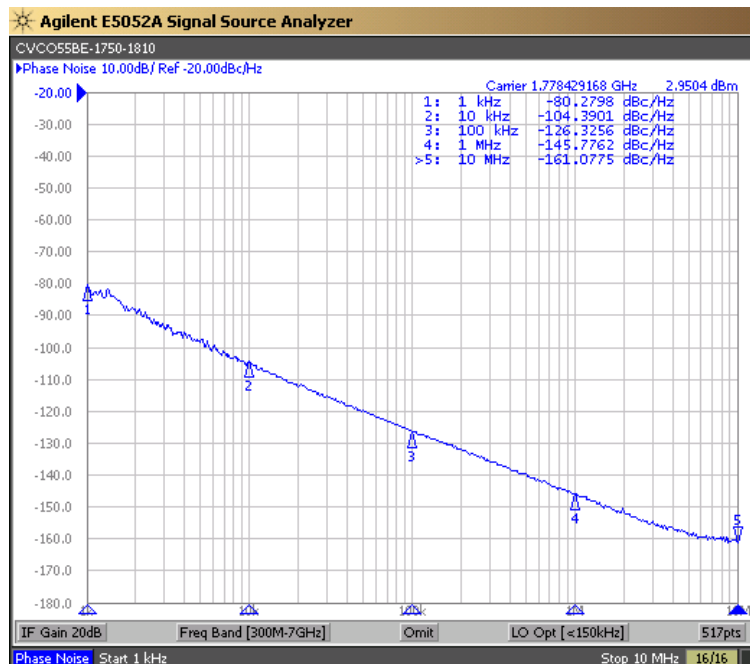
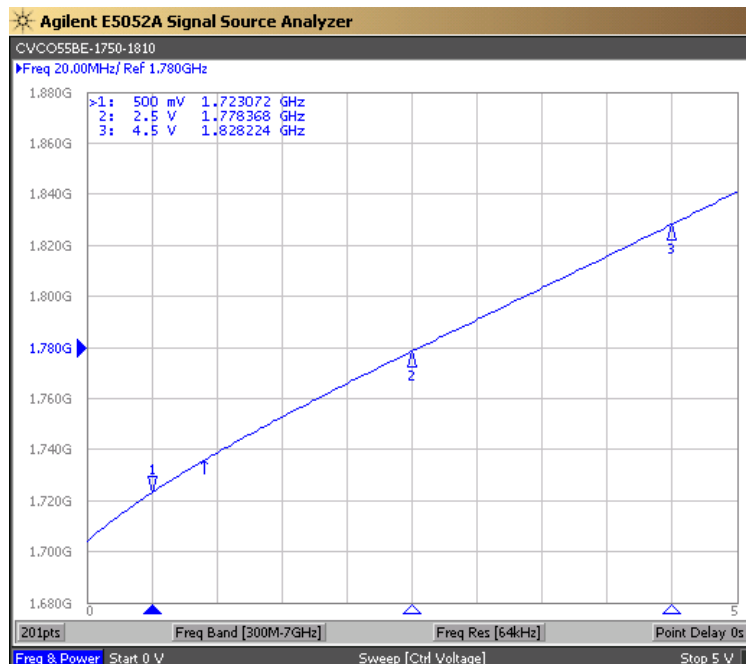


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1750	MHz
Upper Frequency:	1810			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+3.0	+6.0	dBm
Supply Current:		15		mA
Harmonic Suppression (2 nd Harmonic):		-15	-10	dBc
Pushing:		1.0	2.0	MHz/V
Pulling, all Phases:		11.0	13.0	MHz pk-pk
Tuning Sensitivity:	20	26	35	MHz/V
Phase Noise @ 10kHz offset:		-103	-100	dBc/Hz
Phase Noise @ 100kHz offset:		-122	-118	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			33	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

Phase Noise (1 Hz BW, Typical)



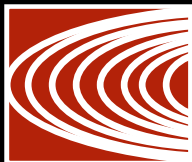
Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CVCO55BE-1750-1810	Release Date:	18-Dec-2024
Revision Level:	F	Responsible:	C. Vales

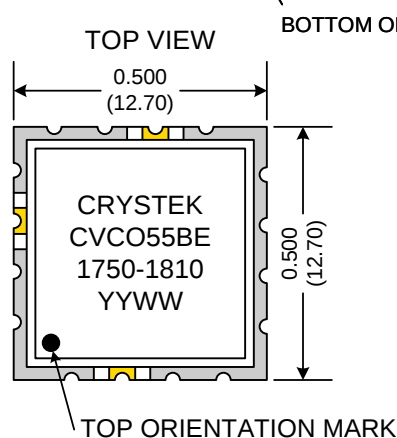
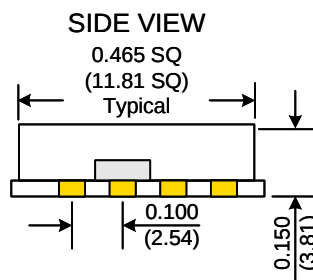
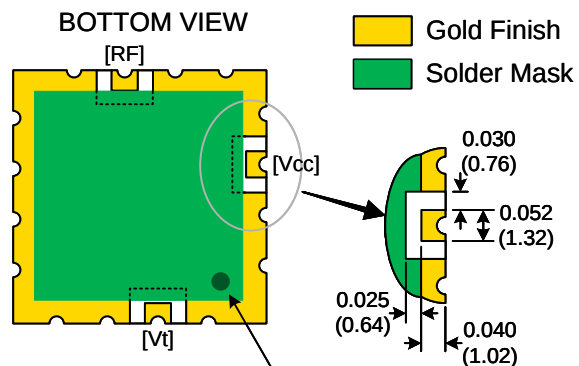




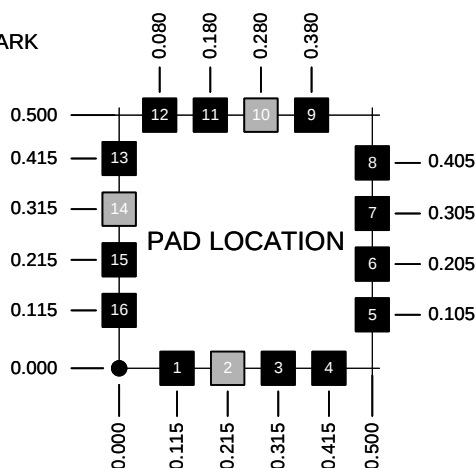
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

Voltage Controlled Oscillator-VCO

CVCO55BE-1750-1810



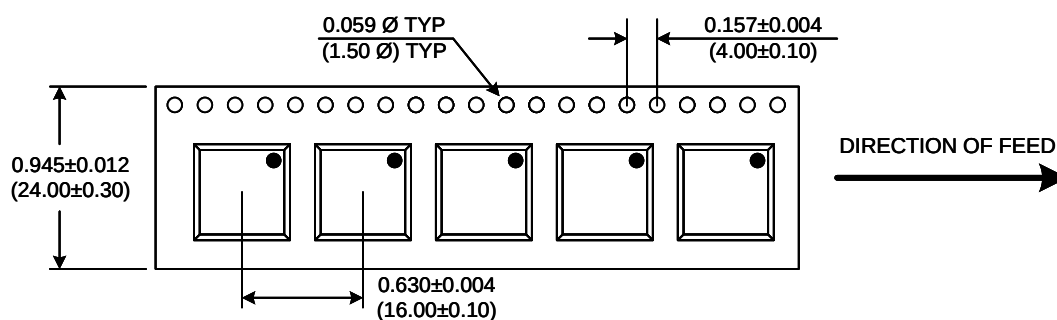
BOTTOM ORIENTATION MARK



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

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

TAPE AND REEL



Drawing not to scale

Product Control:

Crystek Part Number:	CVCO55BE-1750-1810	Release Date:	18-Dec-2024
Revision Level:	F	Responsible:	C. Vales

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