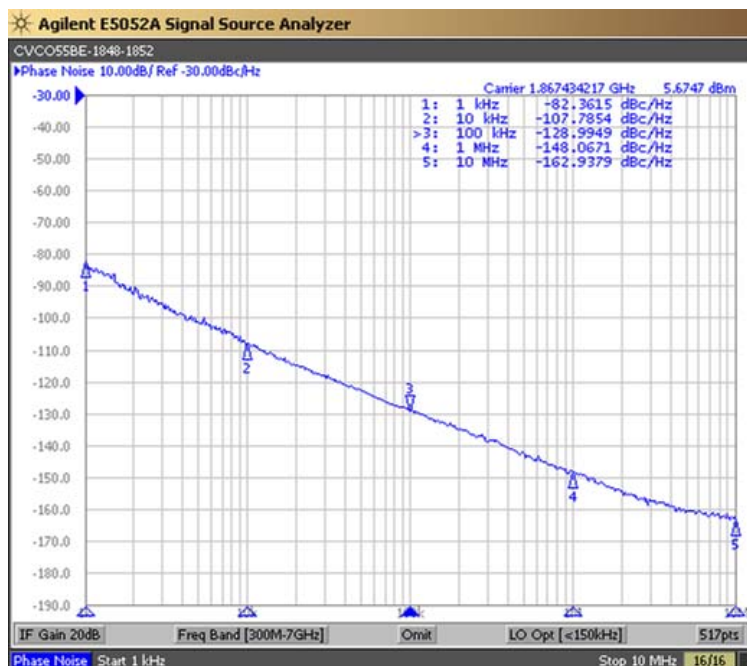
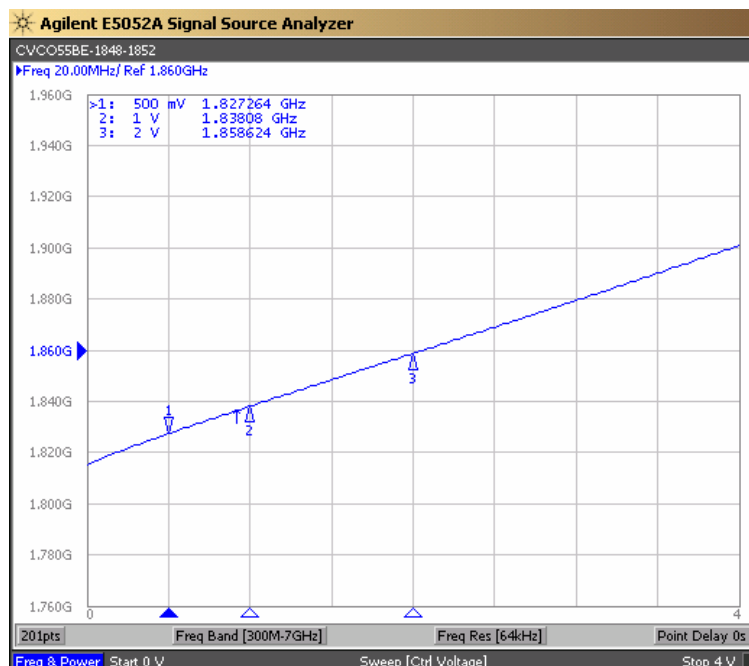


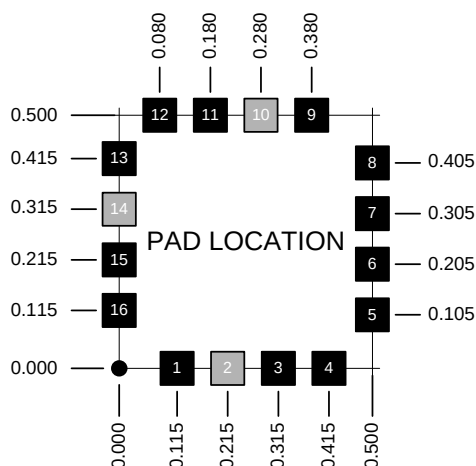
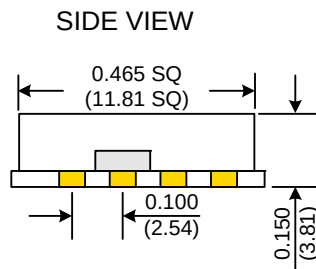
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1848	MHz
Upper Frequency:	1852			MHz
Tuning Voltage:	0.5		2.0	VDC
Supply Voltage:	7.8	8.0	8.2	VDC
Output Power:	+4.0	+6.0	+8.0	dBm
Supply Current:		15	35	mA
Harmonic Suppression (2 nd Harmonic):		-15	-10	dBc
Pushing:		3.0	5.0	MHz/V
Pulling, all Phases:		3.0	5.0	MHz pk-pk
Tuning Sensitivity:	15	20	25	MHz/V
Phase Noise @ 10kHz offset:		-106	-104	dBc/Hz
Phase Noise @ 100kHz offset:		-128	-126	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)





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

- Unless otherwise specified,
Dimensions are in: IN
(mm)
- Pad Location
Dimensions are in: Inches

Technical drawing of a rectangular plate with five square holes and a row of 15 circular holes. The drawing includes the following dimensions and tolerances:

- Overall width: 0.945 ± 0.012 (24.00 ± 0.30)
- Overall height: 0.630 ± 0.004 (16.00 ± 0.10)
- Distance between the center of the first and second square hole: 0.630 ± 0.004 (16.00 ± 0.10)
- Distance between the center of the last square hole and the first circular hole: 0.157 ± 0.004 (4.00 ± 0.10)
- Distance between the center of the first square hole and the first circular hole: $0.059 \varnothing$ TYP ($1.50 \varnothing$) TYP
- Direction of feed: Indicated by an arrow pointing to the right.

Drawing not to scale

Crystek Part Number:	CVCO55BE-1848-1852	Release Date:	09-Oct-12
Revision Level:	G	Responsible:	C. Vales

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