



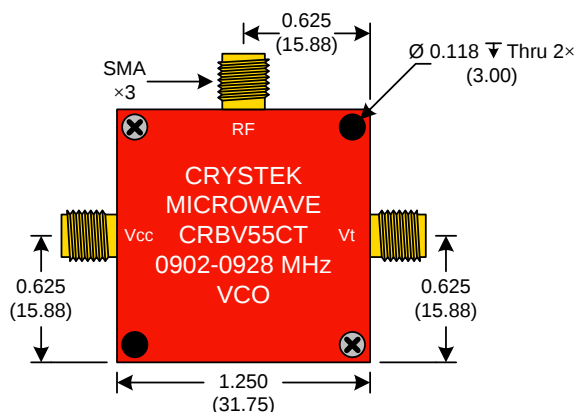
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CT-0902-0928



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			902	MHz
Upper Frequency:	928			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	11.5	12.0	12.5	VDC
Output Power:	+8.0	+10.0	+12.0	dBm
Supply Current:			25	mA
Harmonic Suppression (2 nd Harmonic)		-20	-15	dBc
Pushing:		5.0	10.0	MHz/V
Pulling, all Phases:		3.0	6.0	MHz pk-pk
Tuning Sensitivity:		13		MHz/V
Phase Noise @ 10kHz offset:		-110		dBc/Hz
Phase Noise @ 100kHz offset:		-132		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			30	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

FRONT



BACK



SIDE



● Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{(\text{mm})}$

Product Control:

Crystek Part Number:	CRBV55CT-0902-0928	Release Date:	30-Aug-11
Revision Level:	B	Responsible:	C. Vales

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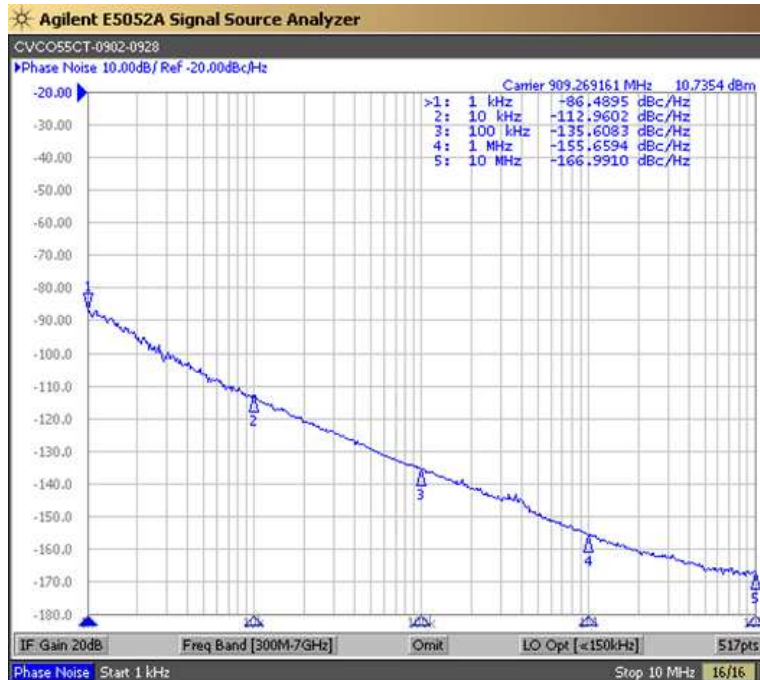
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
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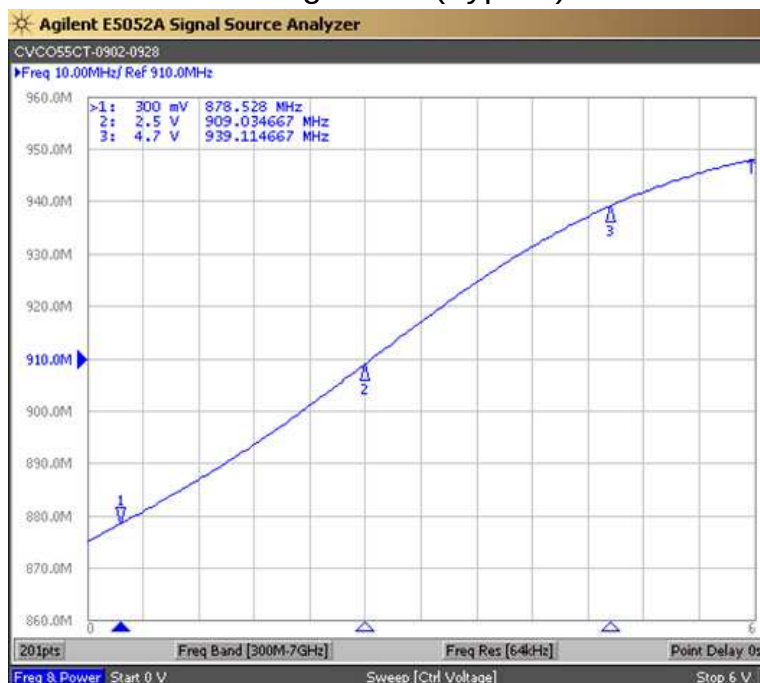
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

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