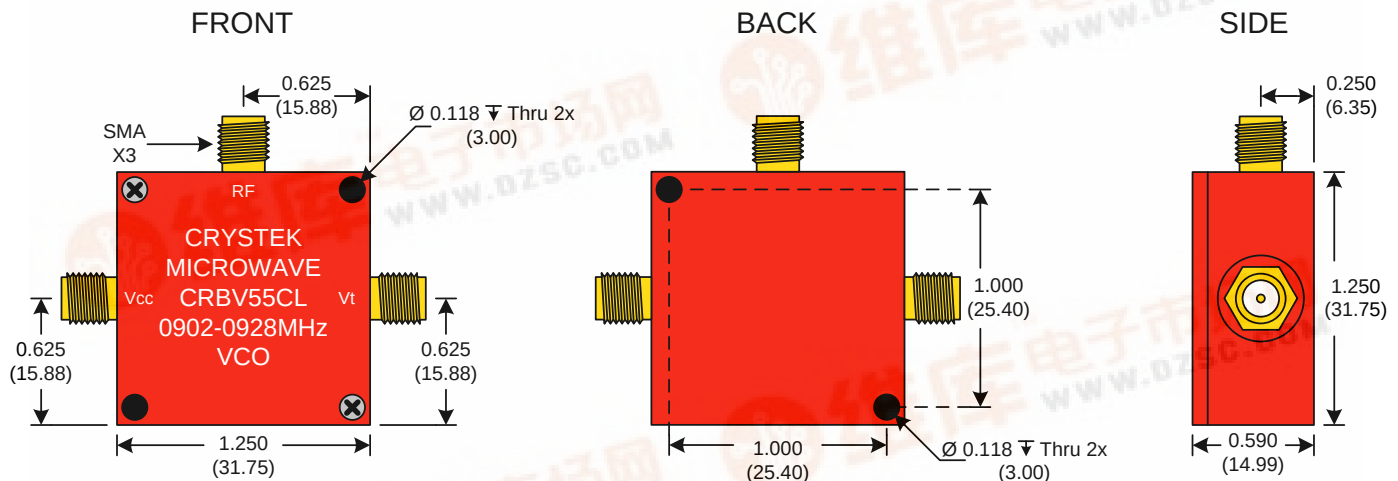


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RedBox VCO
CRBV55CL-0902-0928



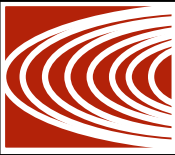
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			902	MHz
Upper Frequency:	928			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+2.0	+5.0	+8.0	dBm
Supply Current:		15	20	mA
Harmonic Suppression (2 nd Harmonic)		-15	-10	dBc
Pushing:			1.7	MHz/V
Pulling, all Phases:			4.4	MHz pk-pk
Tuning Sensitivity:		13		MHz/V
Phase Noise @ 10kHz offset:		-115	-110	dBc/Hz
Phase Noise @ 100kHz offset:		-134	-130	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			100	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$



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

Product Control:

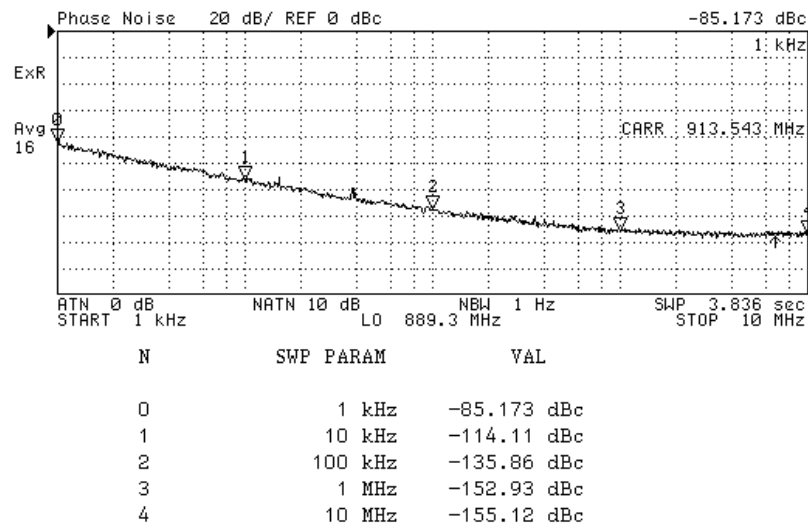
Crystek Part Number:	CRBV55CL-0902-0928	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales



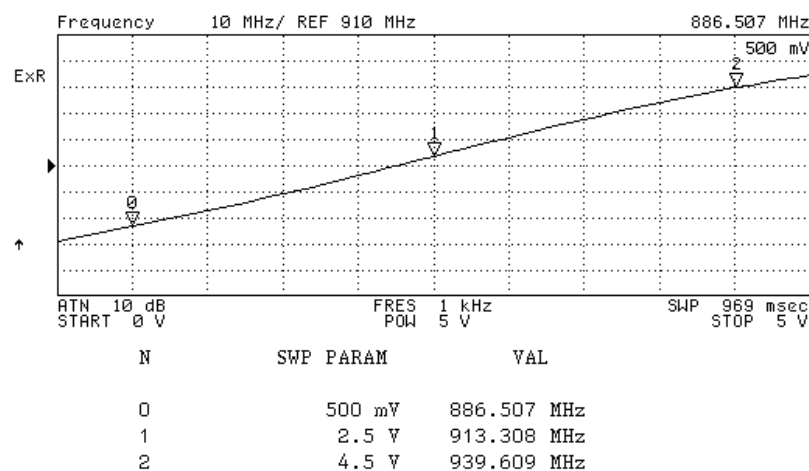
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RedBox VCO
CRBV55CL-0902-0928

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Specification is subject to change without notice

Crystek Part Number:	CRBV55CL-0902-0928	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales

Page 2 of 2



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CORPORATION

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