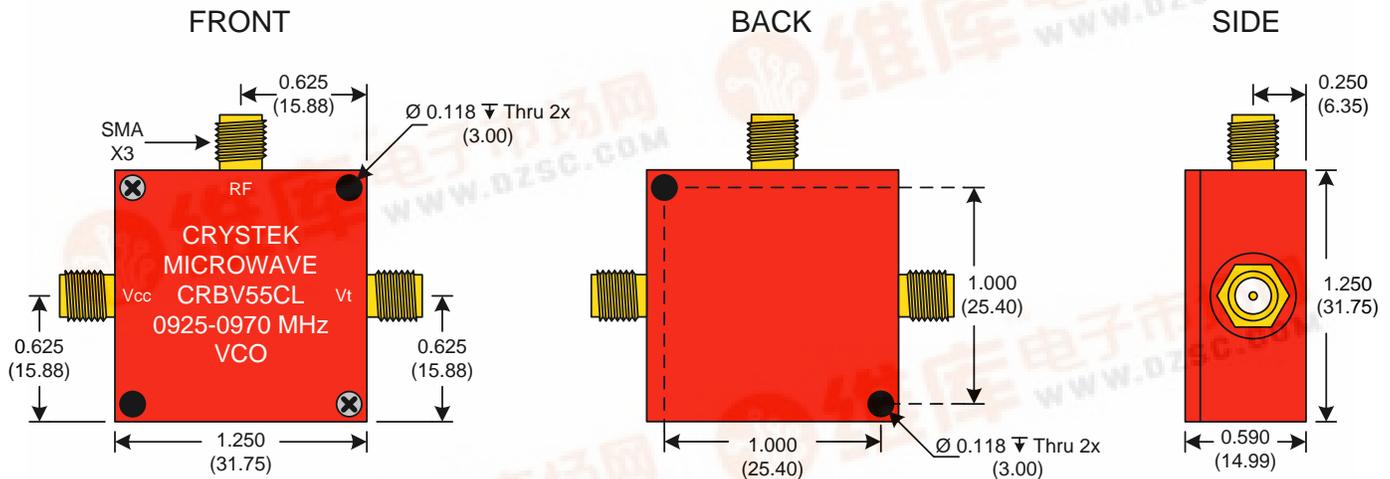


RedBox VCO
CRBV55CL-0925-0970



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			925	MHz
Upper Frequency:	970			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:		-110		dBc/Hz
Phase Noise @ 100kHz offset:		-133		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			50	pF
Operating Temperature Range:	-40		+85	$^{\circ}\text{C}$
Storage Temperature Range:	-45		+90	$^{\circ}\text{C}$

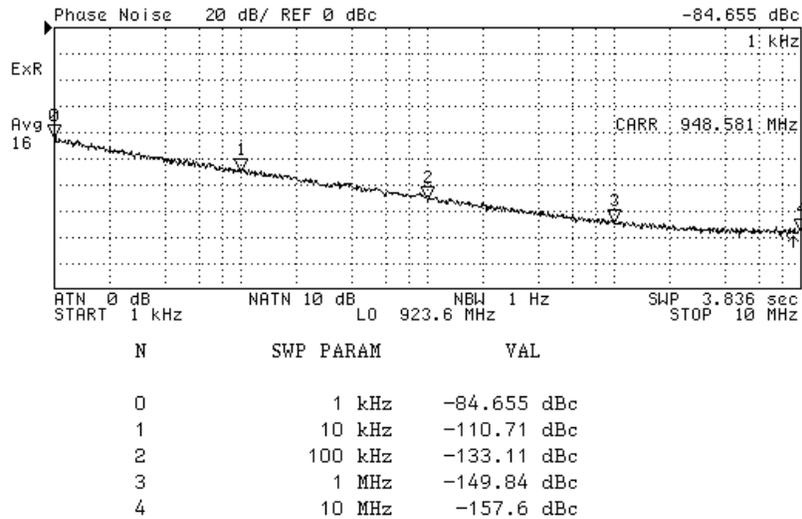


● Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{(\text{mm})}$

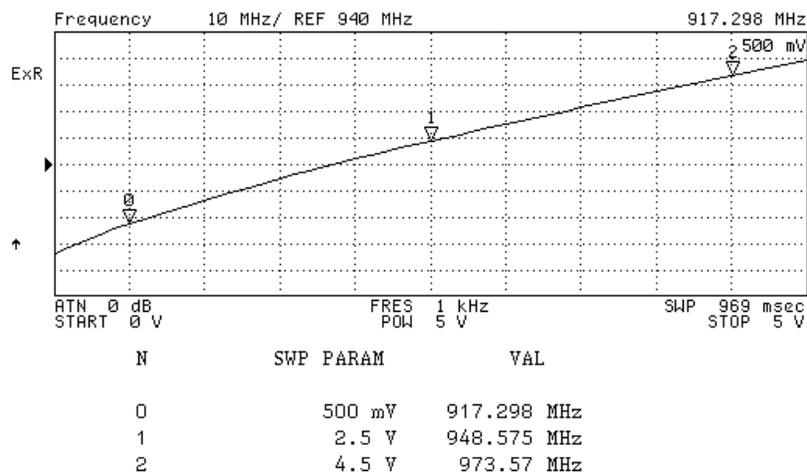
Product Control:

Crystek Part Number:	CRBV55CL-0925-0970	Release Date:	08-Jan-08
Revision Level:	A	Responsible:	C. Vales

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Specification is subject to change without notice

Crystek Part Number:	CRBV55CL-0925-0970	Release Date:	08-Jan-08
Revision Level:	A	Responsible:	C. Vales