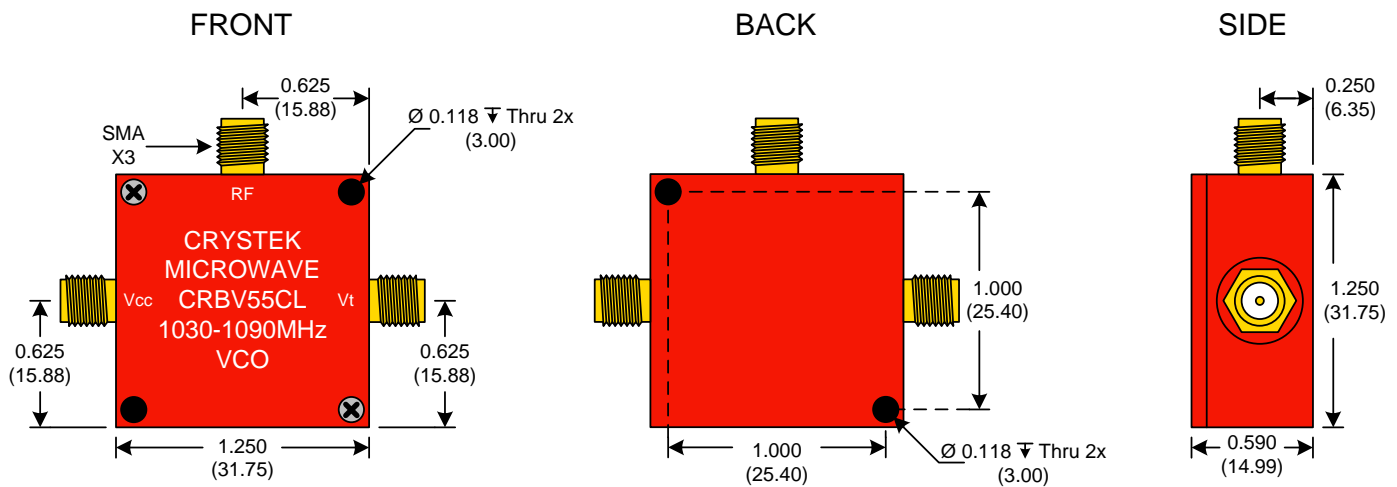




PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1030	MHz
Upper Frequency:	1090			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		25	35	mA
Harmonic Suppression (2 nd Harmonic)		-15		dBc
Pushing:		0.5	1.0	MHz/V
Pulling, all Phases:		1.0	1.5	MHz pk-pk
Tuning Sensitivity:		21		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	$^{\circ}\text{C}$

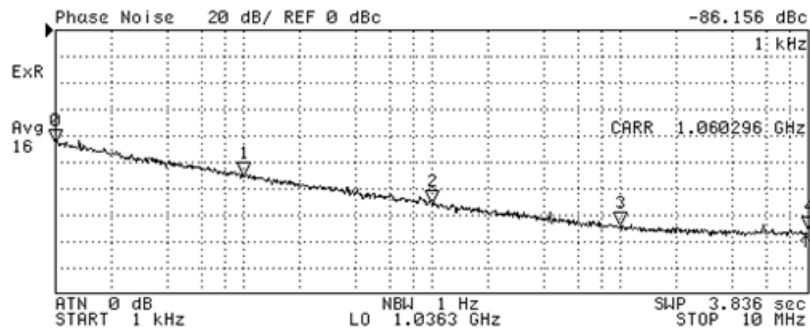


● Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{\text{(mm)}}$

Product Control:

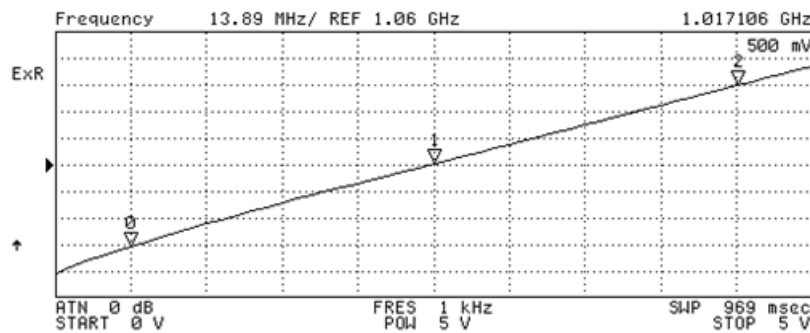
Crystek Part Number:	CRBV55CL-1030-1090	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales

Phase Noise (1 Hz BW, Typical)



N	SWP PARAM	VAL
0	1 kHz	-86.156 dBc
1	10 kHz	-111.37 dBc
2	100 kHz	-132.63 dBc
3	1 MHz	-149.41 dBc
4	10 MHz	-152.92 dBc

Tuning Curve (Typical)



N	SWP PARAM	VAL
0	500 mV	1.017106 GHz
1	2.5 V	1.060233 GHz
2	4.5 V	1.101406 GHz

Product Control:

Crystek Part Number:	CRBV55CL-1030-1090	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales

Specification is subject to change without notice