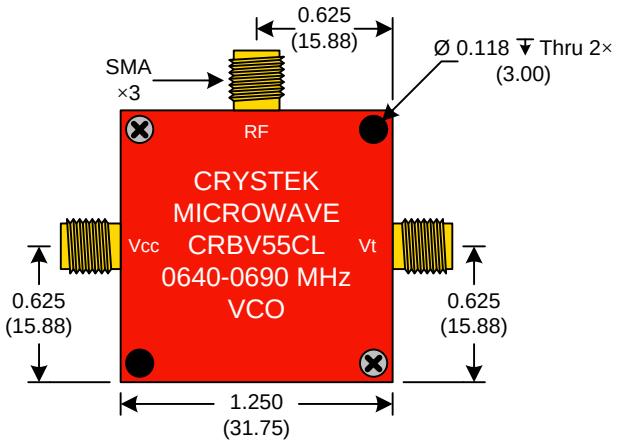
CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CL-0640-0690

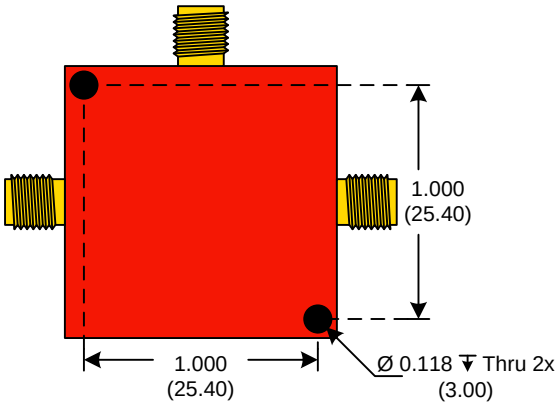
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			640	MHz
Upper Frequency:	690			MHz
Tuning Voltage:	0.3		4.7	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	+5.0	+7.0	+9.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2nd Harmonic)		-12		dBc
Pushing:		1.0	2.0	MHz/V
Pulling, all Phases:		1.0	2.0	MHz pk-pk
Tuning Sensitivity:		30		MHz/V
Phase Noise @ 10kHz offset:		-100	-96	dBc/Hz
Phase Noise @ 100kHz offset:		-125	-116	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			47	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

RoHS Compliant

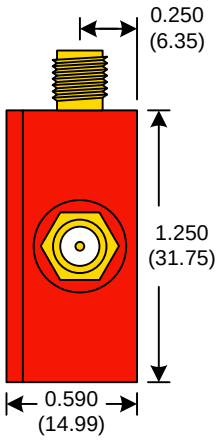
FRONT



BACK



SIDE

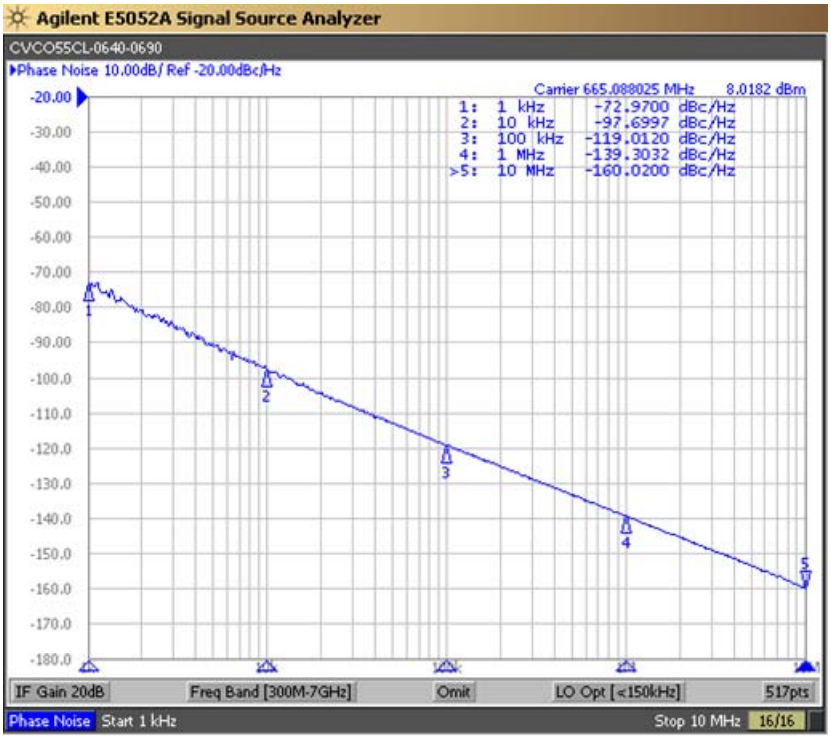


● Unless otherwise specified, Dimensions are in: IN / (mm)

Product Control:			
Crystek Part Number:	CRBV55CL-0640-0690	Release Date:	12-May-2015
Revision Level:	E	Responsible:	C. Vales

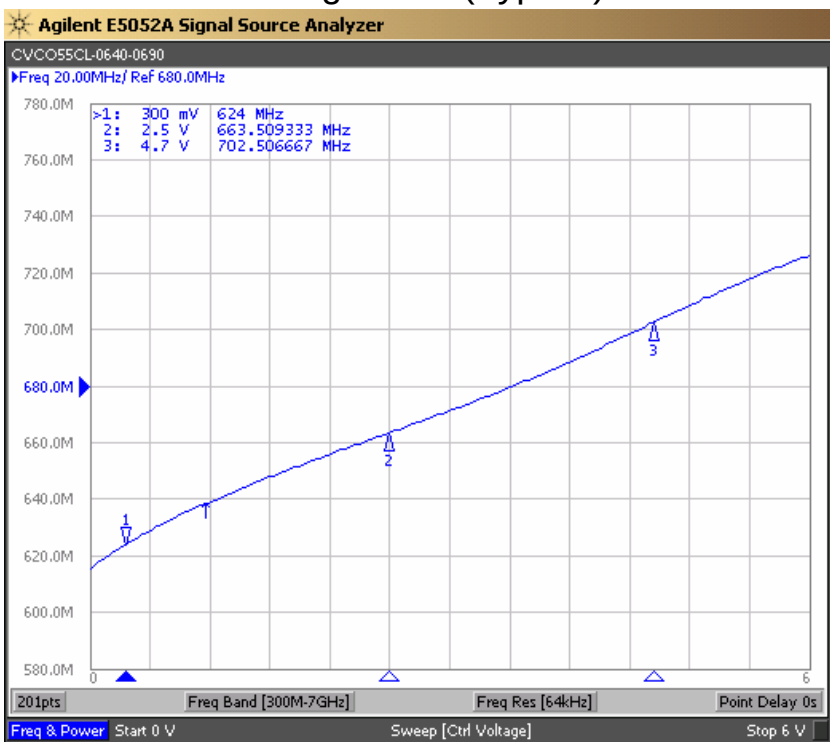
CRYSTEK CORPORATION
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Phone: 239-561-3311 • 800-237-3061
Fax: 239-561-1025 • www.crystek.com

Phase Noise (1 Hz BW, Typical)





Tuning Curve (Typical)



Product Control:			
Crystek Part Number:	CRBV55CL-0640-0690	Release Date:	12-May-2015
Revision Level:	E	Responsible:	C. Vales

Specification is subject to change without notice

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