

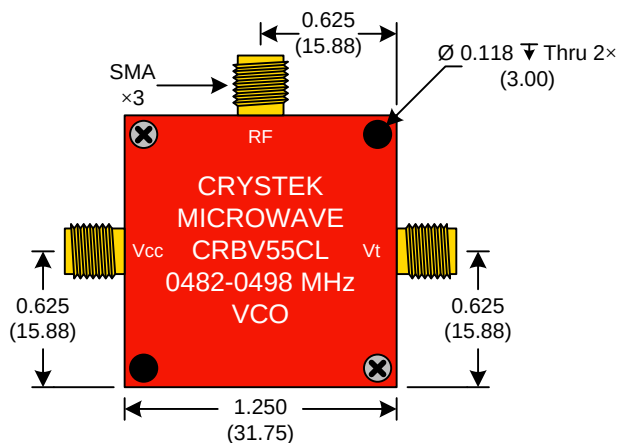
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CL-0482-0498

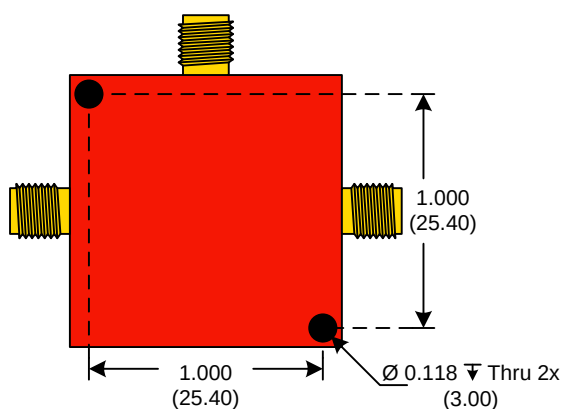


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			482	MHz
Upper Frequency:	498			MHz
Tuning Voltage:	0.5		4.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	0	+2.5	+5.0	dBm
Supply Current:		15	22	mA
Harmonic Suppression (2 nd Harmonic)		-10		dBc
Pushing:		0.1	1.0	MHz/V
Pulling, all Phases:		0.2	1.0	MHz pk-pk
Tuning Sensitivity:	5	8	15	MHz/V
Phase Noise @ 10kHz offset:		-118		dBc/Hz
Phase Noise @ 100kHz offset:		-138		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			180	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C

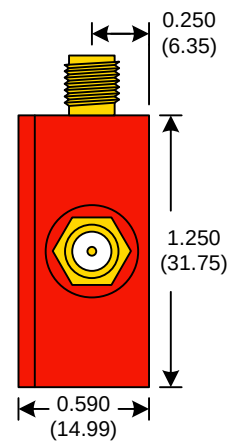
FRONT



BACK



SIDE



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

Product Control:

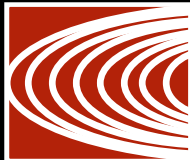
Crystek Part Number:	CRBV55CL-0482-0498	Release Date:	26-Mar-2015
Revision Level:	C	Responsible:	C. Vales

Page 1 of 2

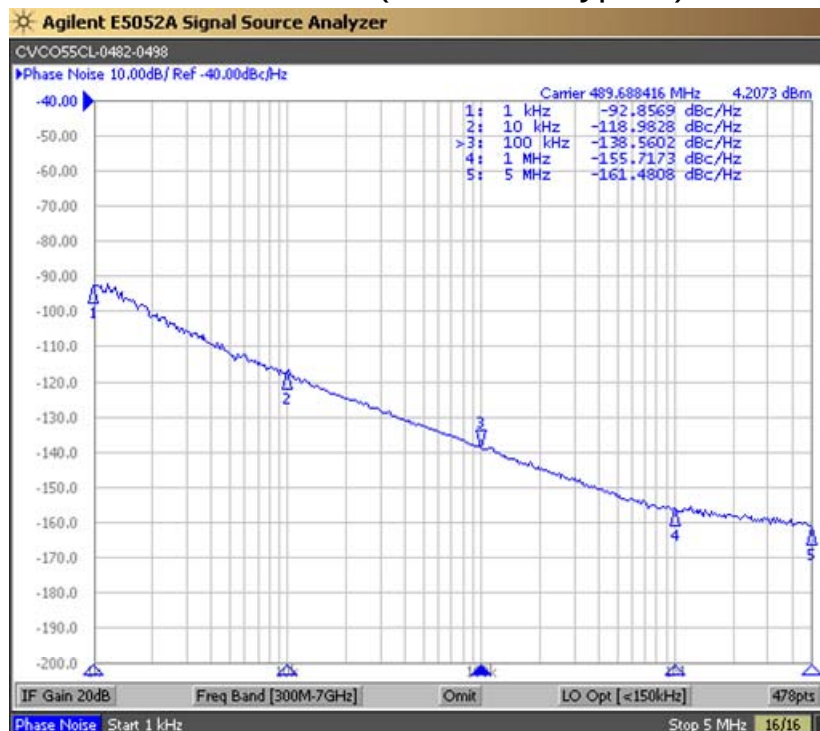


CRYSTEK
CORPORATION

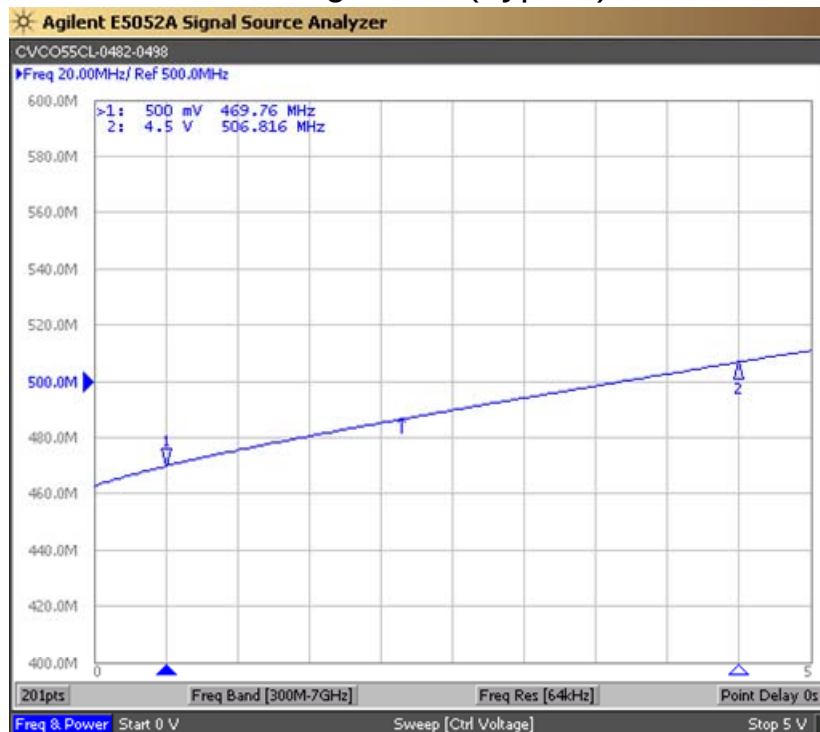
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM



Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55CL-0482-0498	Release Date:	26-Mar-2015
Revision Level:	C	Responsible:	C. Vales

Specification is subject to change without notice



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Crystek:](#)

[CRBV55CL-0482-0498](#)