

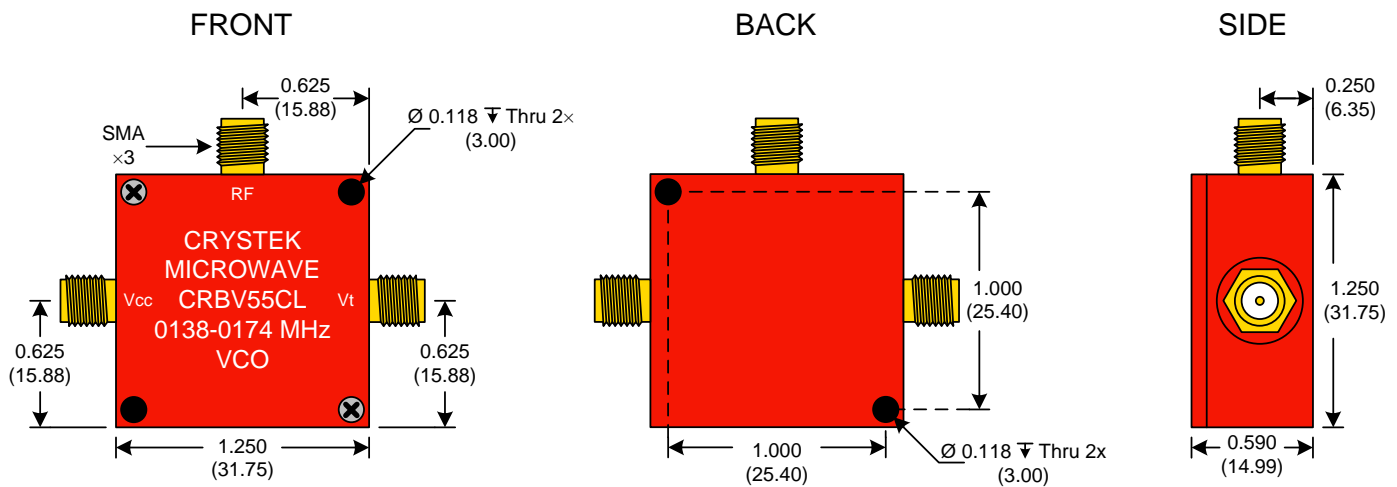


CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
 CRBV55CL-0138-0174



PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			138	MHz
Upper Frequency:	174			MHz
Tuning Voltage:	1.5		3.5	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-3.0	0	+3.0	dBm
Supply Current:		16	25	mA
Harmonic Suppression (2 nd Harmonic)		-15	-10	dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		0.5	1.0	MHz pk-pk
Tuning Sensitivity:		18		MHz/V
Phase Noise @ 10kHz offset:		-115	-110	dBc/Hz
Phase Noise @ 100kHz offset:		-137	-132	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			560	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-0138-0174	Release Date:	18-Jul-08
Revision Level:	A	Responsible:	C. Vales

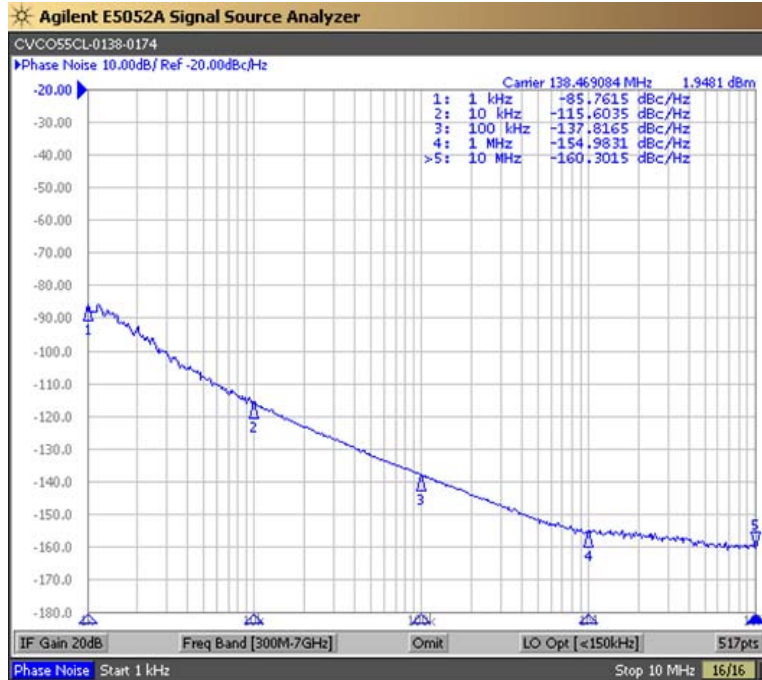


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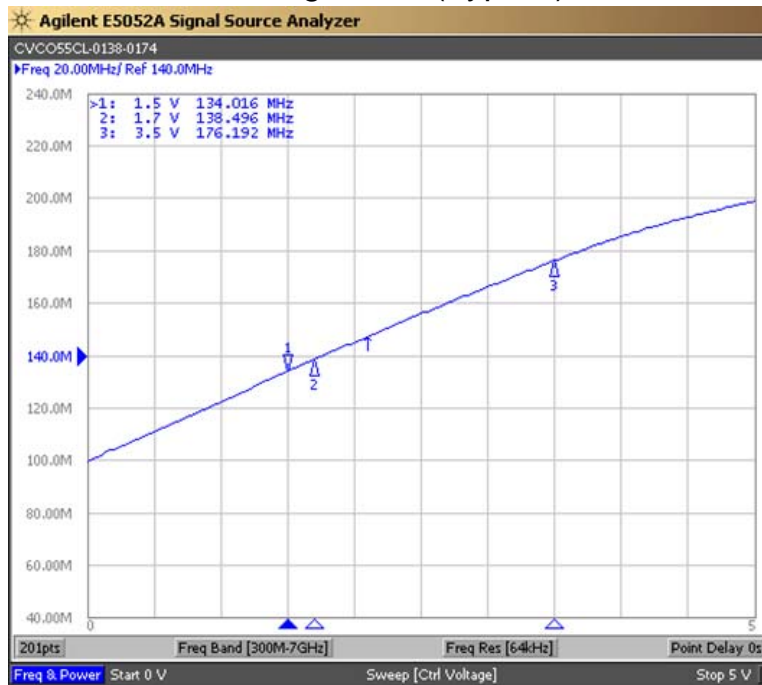
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Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



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Specification is subject to change without notice

