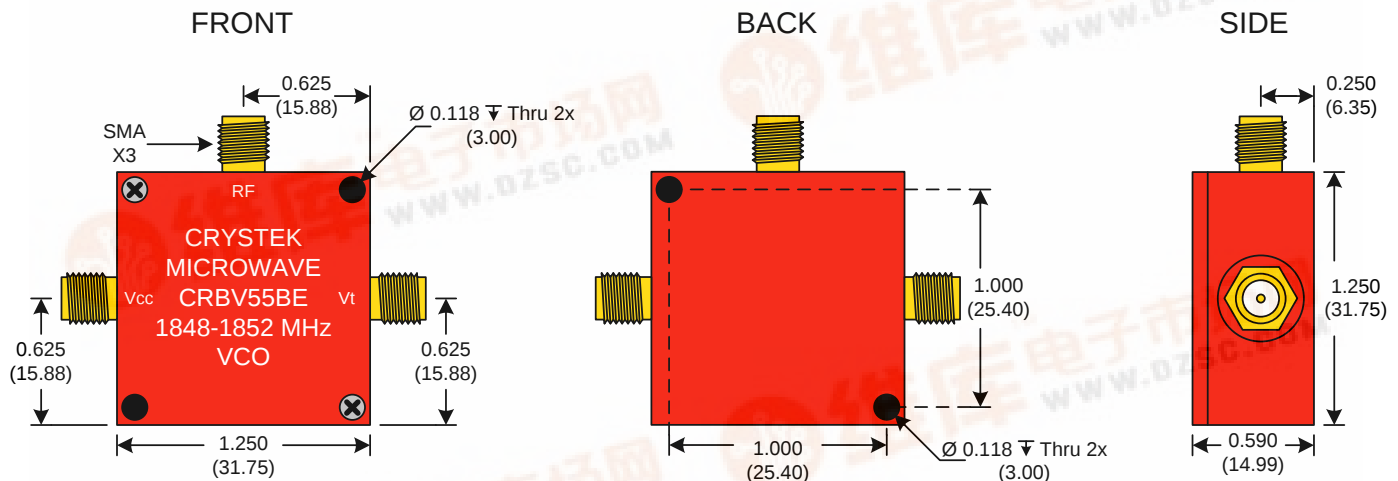


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RedBox VCO
CRBV55BE-1848-1852



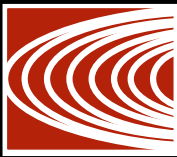
PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			1848	MHz
Upper Frequency:	1852			MHz
Tuning Voltage:	0.5		2.0	VDC
Supply Voltage:	7.8	8.0	8.2	VDC
Output Power:	+4.0	+6.0	+8.0	dBm
Supply Current:			35	mA
Harmonic Suppression (2 nd Harmonic)			-15	dBc
Pushing:		3.0	5.0	MHz/V
Pulling, all Phases:		3.0	5.0	MHz pk-pk
Tuning Sensitivity:	15	20	25	MHz/V
Phase Noise @ 10kHz offset:			-104	dBc/Hz
Phase Noise @ 100kHz offset:			-126	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	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:

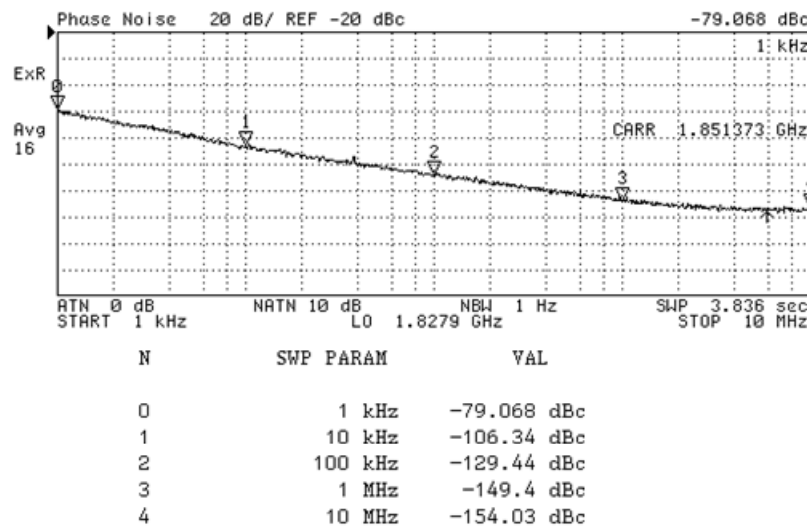
Crystek Part Number:	CRBV55BE-1848-1852	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales



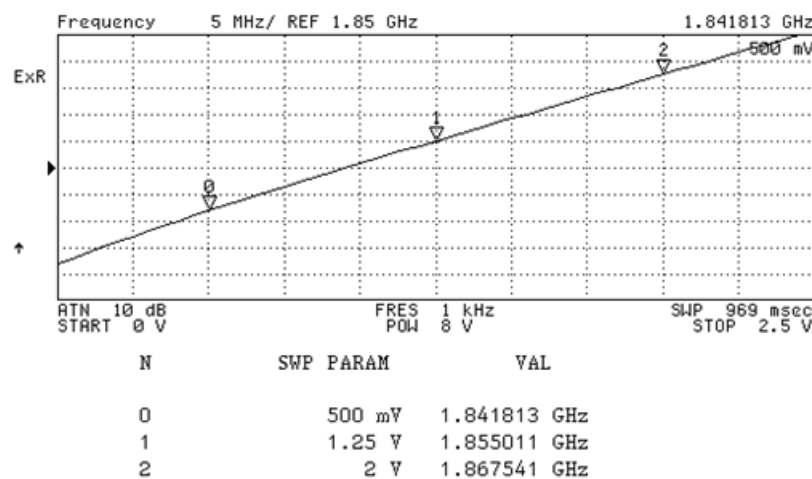
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RedBox VCO
CRBV55BE-1848-1852

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Specification is subject to change without notice

Crystek Part Number:	CRBV55BE-1848-1852	Release Date:	12-Dec-07
Revision Level:	B	Responsible:	C. Vales

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CRYSTEK
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