CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

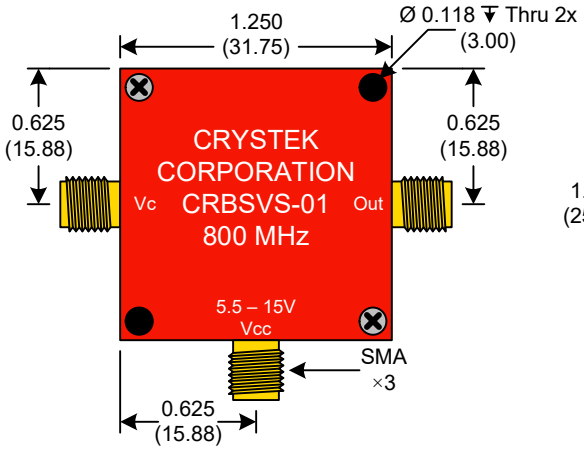
RedBox SOURCE
CRBSVS-01-800.000

Frequency:		800.000 MHz
Temperature Range:		-20°C to 70°C
Input Voltage:		+5.0V
Input Current:		50 mA Max
Control Voltage Range:		0V to 5.0V
Tuning Sensitivity (Kv):		+120 ppm/V Typical
Settability At Nominal (25°C):		0.7V to 2.0V
Output:		TrueSineWave
Frequency Stability:		±150ppm Typical
Output Power:		+8 dBm Min
Start-up Time:		2 ms Typical, 5 ms Max
Load:		50 Ω
2nd Harmonic:		-15 dBc Max
Sub-Harmonics:		None
Phase Noise Typical:	1 kHz	-115 dBc/Hz
	10 kHz	-140 dBc/Hz
	100 kHz	-150 dBc/Hz
	1 MHz	-165 dBc/Hz
	10 MHz	-172 dBc/Hz
	20 MHz	-172 dBc/Hz
Aging:		<5 ppm 1st year, <1 ppm every year thereafter

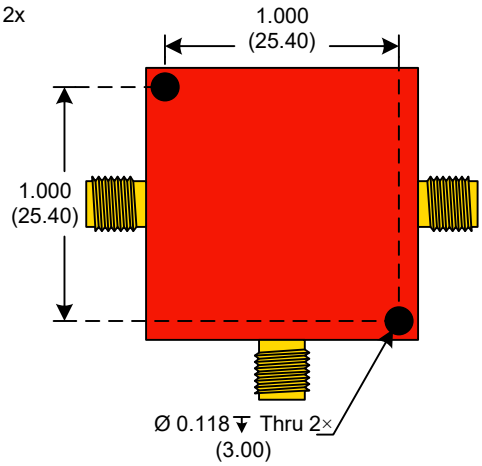
RoHS Compliant

CRYSTEK CORPORATION
MADE IN THE USA

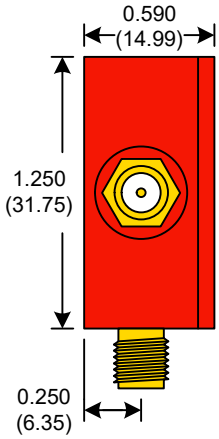
FRONT



BACK



SIDE



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

Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

Product Control:			
Crystek Part Number:	CRBSVS-01-800.000	Release Date:	21-May-2026
Revision Level:	E	Responsible:	C. Vales

Crystek Corporation reserves the right to make changes to its products and/or information contained herein without notice. No liability is assumed as a result of its use or application.

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