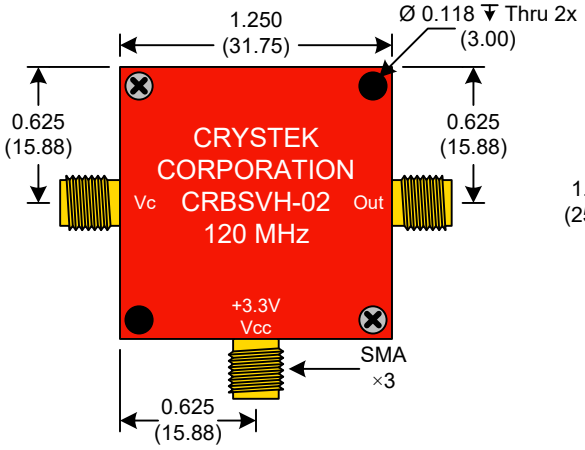
CRYSTEK MICROWAVE
A Division of Crystek Corporation

RedBox SOURCE
CRBSVH-02-120.000

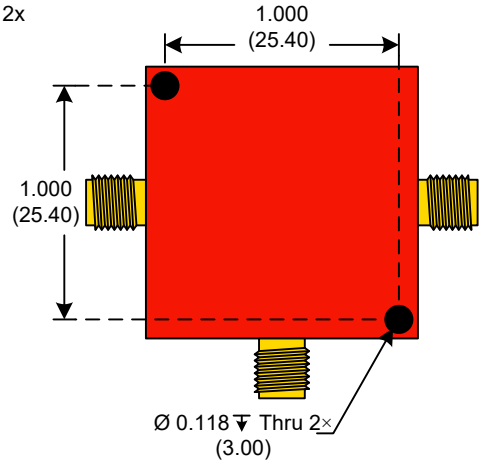
RoHS Compliant

Frequency:	120.000 MHz
Temperature Range:	-40°C to 85°C
Input Voltage:	+3.3V ±5%
Supply Pushing:	1.2ppm/V Typical
Input Current:	15mA Typical, 25mA Max
Output:	CMOS
Symmetry:	45/55% Max @ 50%Vdd
Rise/Fall Time:	3ns Max @ 20% to 80% Vdd
Logic:	"0" = 10% Vdd Max "1" = 90% Vdd Min
Load:	15pF
Output Current:	±24mA Max
Input:	
Modulation Bandwidth:	>10kHz @ -3dB
Input Impedance:	51 kΩ
Control Voltage:	1.65V ±1.65V
Tuning Sensitivity:	+25ppm/V Typical
Frequency Pulling:	±20ppm APR Min (Inclusive of frequency stability, calibration, and aging.)
Linearity:	±5% Max
Phase Jitter (12kHz~20MHz):	40 fs Typical @100MHz
Typical Phase Noise (120MHz):	
1kHz	-140 dBc/Hz
10kHz	-155 dBc/Hz
100kHz	-164 dBc/Hz
1MHz	-168 dBc/Hz
Phase Noise Floor:	-168 dBc/Hz Typical, -164 dBc/Hz Max
Sub-harmonics:	None
Aging:	<3ppm 1st year, <1ppm thereafter

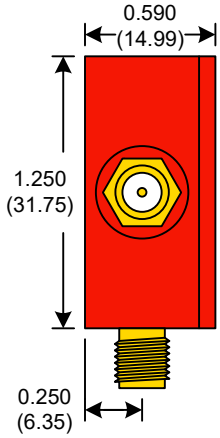
FRONT



BACK



SIDE



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

Product Control:			
Crystek Part Number:	CRBSVH-02-120.000	Release Date:	23-Apr-2019
Revision Level:	B	Responsible:	C. Vales

CRYSTEK CORPORATION
12730 Commonwealth Drive • Fort Myers, Florida 33913
Phone: 239-561-3311 • 800-237-3061
Fax: 239-561-1025 • www.crystek.com