CRYSTEK MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

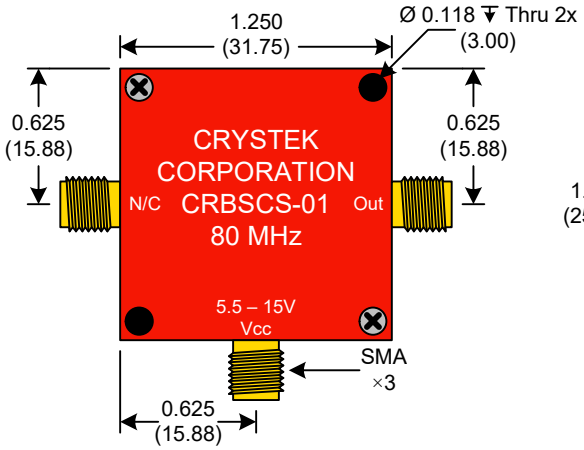
RedBox SOURCE
CRBSCS-01-80.000

Frequency:		80.000 MHz
Temperature Range:		0°C to 70°C
Input Voltage:		+5.5 V to +15 V
Input Current:		30 mA Max
Output:		TrueSineWave
	Frequency Stability:	±25 ppm Max
	Output Power:	+10 dBm Typical
	Start-up Time:	2 ms Typical, 5 ms Max
	Load:	50 Ω
2nd Harmonic:		-25 dBc Max
Sub-Harmonics:		None
Period Jitter:	(20,000 periods)	<5 ps RMS (1-sigma) Max
Phase Jitter:	12 kHz ~ 20 MHz	<1 ps RMS (1-sigma) Max
	50 kHz ~ 80 MHz	<1 ps RMS (1-sigma) Max
Phase Noise Typical:	10 Hz	-80 dBc/Hz
	100 Hz	-115 dBc/Hz
	1 kHz	-140 dBc/Hz
	10 kHz	-155 dBc/Hz
	100 kHz	-170 dBc/Hz
	1 MHz	-170 dBc/Hz
Aging:		<3 ppm 1st year, <1 ppm every year thereafter

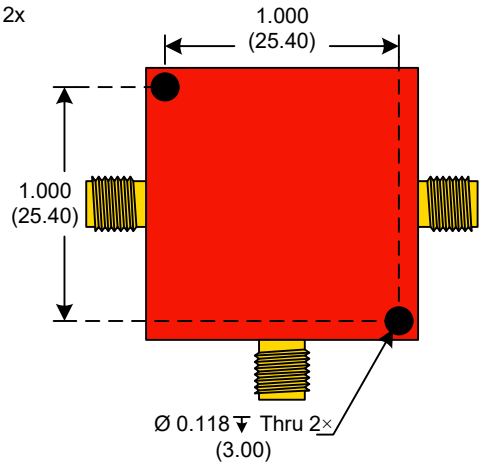
RoHS Compliant

CRYSTEK CORPORATION
MADE IN THE USA

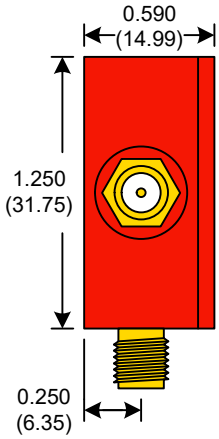
FRONT



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:	CRBSCS-01-80.000	Release Date:	28-Jan-2026
Revision Level:	C	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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