

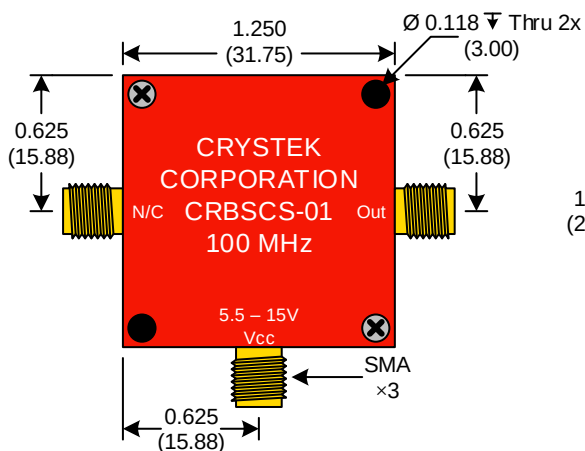
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox SOURCE
CRBSCS-01-100.000

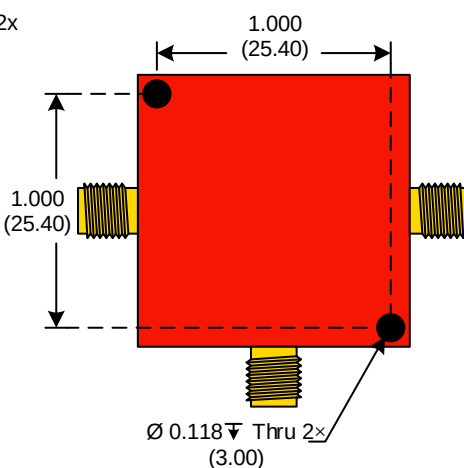


Frequency: 100.000 MHz
Temperature Range: -40°C to 85°C
Input Voltage: +5.5 V to +15 V
Input Current: 30 mA Max
Output: TrueSineWave
 Frequency Stability: ±25 ppm Max
 Output Power: +5 dBm Min, +7 dBm Max
 Start-up Time: 2 ms Typical, 5 ms Max
 Load: 50 Ω
2nd Harmonic: -25 dBc Max
Sub-Harmonics: None
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

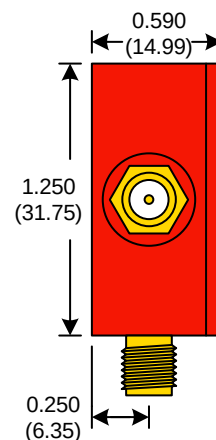
FRONT



BACK



SIDE



● Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{(\text{mm})}$

Product Control:

Crystek Part Number:	CRBSCS-01-100.000	Release Date:	13-Dec-2012
Revision Level:	A	Responsible:	C. Vales



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