

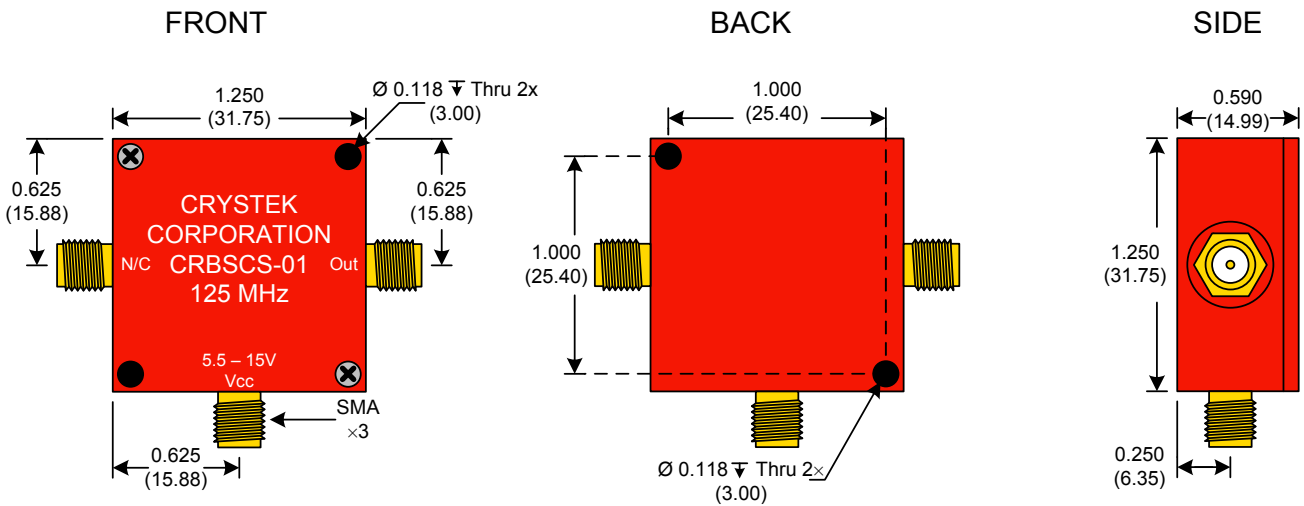


**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**RedBox** SOURCE  
 CRBSCS-01-125.000



**Frequency:** 125.000 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, +8 dBm Max  
     Start-up Time: 2 ms Typical, 5 ms Max  
     Load: 50 Ω  
**2<sup>nd</sup> 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 1<sup>st</sup> year, <1 ppm every year thereafter



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

**Product Control:**

Crystek Part Number:	CRBSCS-01-125.000	Release Date:	22-Oct-2014
Revision Level:	B	Responsible:	C. Vales



**CRYSTEK**  
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