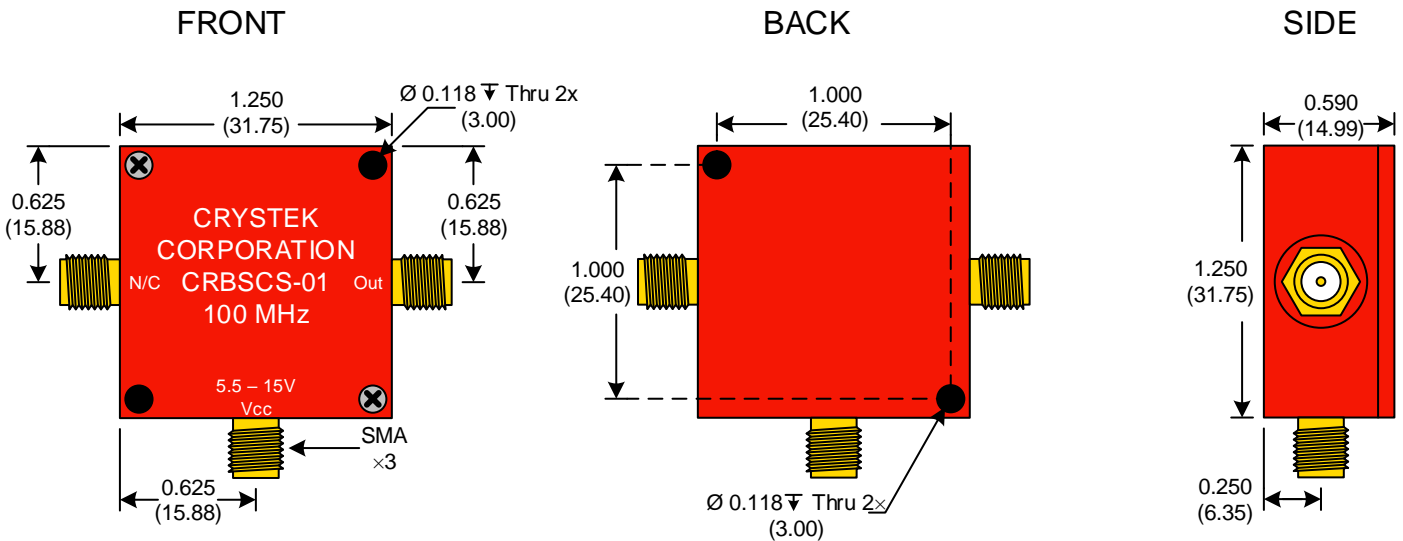




| | |
|--|---|
| Frequency: | 100.000 MHz |
| Temperature Range: | -40°C to 85°C |
| Input Voltage: | +5.5 V to +15 V |
| Input Current: | 30 mA Max |
| Output: | TrueSineWave |
| Frequency Stability: | ±25 ppm Max |
| Output Power: | +5 dBm Min, +7 dBm Max |
| Start-up Time: | 2 ms Typical, 5 ms Max |
| 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 1 st year, <1 ppm every year thereafter |



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

Product Control:

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