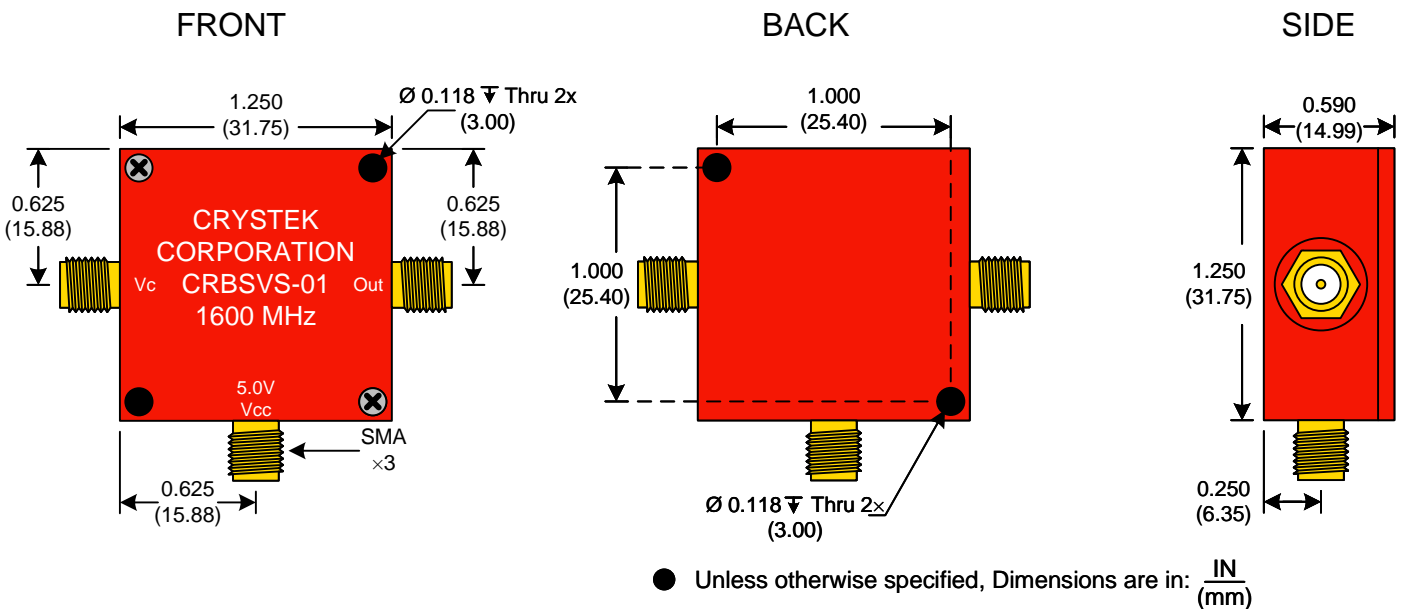




|                                       |   |
|---------------------------------------|---|
| <b>Frequency:</b>                     | 1600.000 MHz  |
| <b>Temperature Range:</b>             | -20°C to 70°C   |
| <b>Input Voltage:</b>                 | +5.0 V ±0.25 V  |
| <b>Input Current:</b>                 | 65 mA Max   |
| <b>Control Voltage Range:</b>         | 0V to 5.0V  |
| <b>Tuning Sensitivity (Kv):</b>       | +120 ppm/V Typical  |
| <b>Settability At Nominal (25°C):</b> | 1.5V +0.5V -1.0V  |
| <b>Output:</b>                        | TrueSineWave  |
| Frequency Stability:                  | ±150ppm Typical   |
| Pullability APR:                      | ±50ppm Min  |
| Linearity:                            | ±20% Max  |
| Output Power:                         | +8 dBm Min  |
| Start-up Time:                        | 2 ms Typical, 5 ms Max                                    |
| Load:                                 | 50 Ω  |
| <b>2<sup>nd</sup> Harmonic:</b>       | -15 dBc Typical   |
| <b>Sub-Harmonics:</b>                 | -15 dBc Max   |
| <b>Phase Noise Typical:</b>           | -105 dBc/Hz   |
| 1 kHz                                 | -105 dBc/Hz   |
| 10 kHz                                | -133 dBc/Hz   |
| 100 kHz                               | -144 dBc/Hz   |
| 1 MHz                                 | -160 dBc/Hz   |
| 10 MHz                                | -162 dBc/Hz   |
| 40 MHz                                | -164 dBc/Hz   |
| <b>Aging:</b>                         | <3 ppm 1 <sup>st</sup> year, <1 ppm every year thereafter |

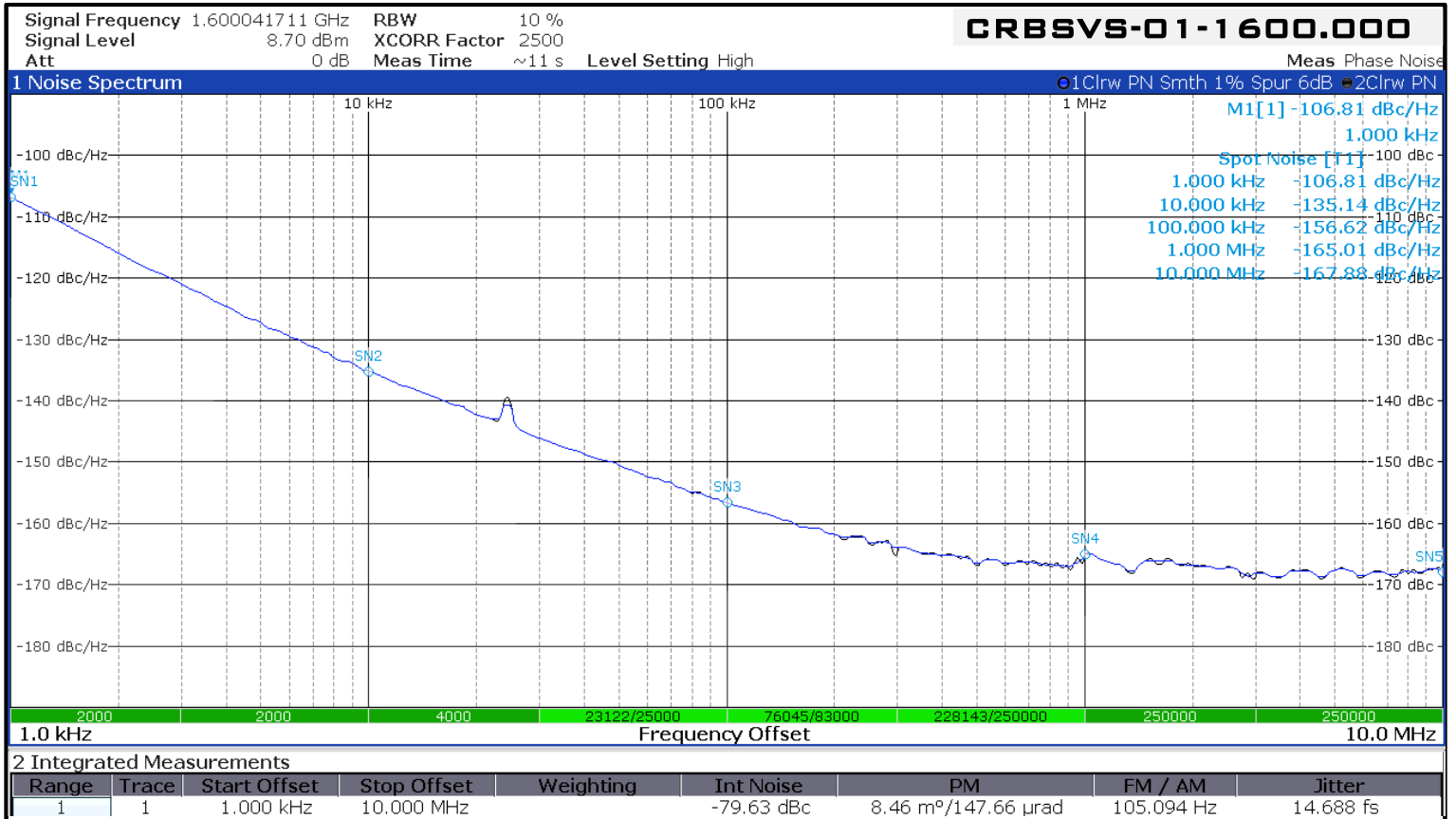


Note: This source is intended to be used with an external high pass or bandpass filter to reduce the sub-harmonic @ 750 MHz.



Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

|                         |                    |               |             |
|-------------------------|--------------------|---------------|-------------|
| <b>Product Control:</b> |                    |               |             |
| Crystek Part Number:    | CRBSVS-01-1600.000 | Release Date: | 29-Oct-2024 |
| Revision Level:         | A                  | Responsible:  | C. Vales    |



**Product Control:**

|                      |                    |               |             |
|----------------------|--------------------|---------------|-------------|
| Crystek Part Number: | CRBSVS-01-1600.000 | Release Date: | 29-Oct-2024 |
| Revision Level:      | A                  | Responsible:  | C. Vales    |

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