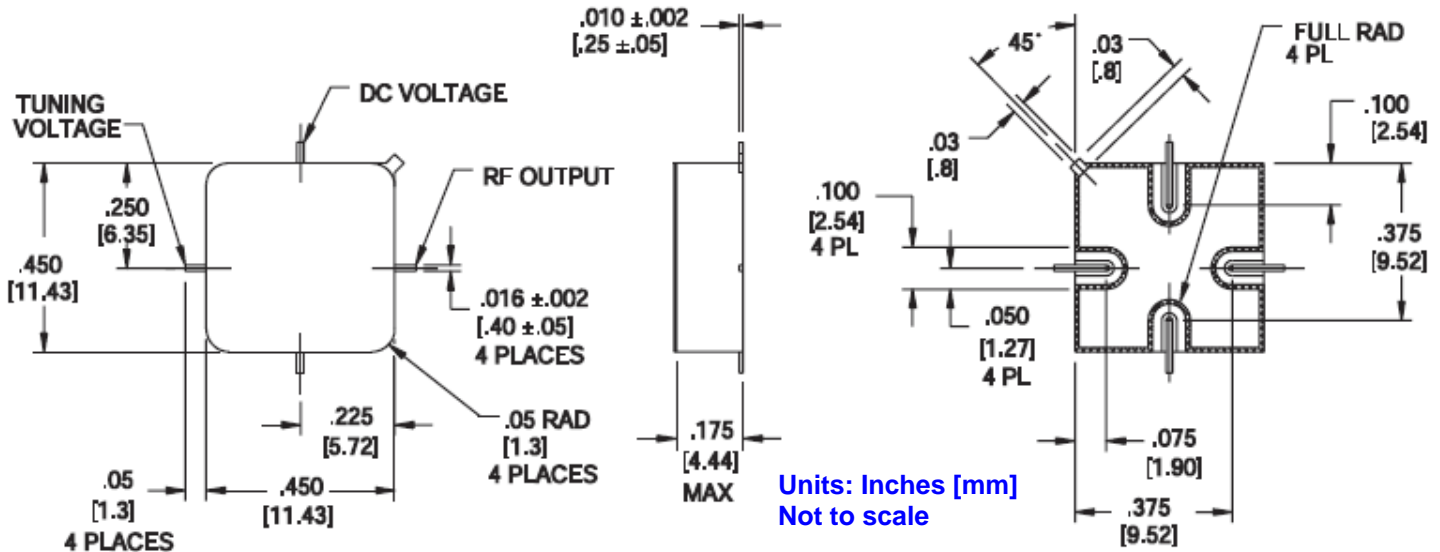


## Voltage Controlled Oscillator, 6.8-8.0GHz, 10dBm Power Output, 15 Volts, Surface Mount Package



Order Examples: RVCO-6.8-8.0-10d-15V-S-s7

Description: (Voltage Controlled Oscillator, 6.8-8.0GHz, 10dBm Power Output, 15 Volts, Surface Mount Package, s7-Model)

Electrical Specifications: <sup>(1)</sup>

Parameter	Specifications
Frequency Range	6.8 to 8.0 GHz
Power Output at 25°C (50 Ohm load)	+10 dBm, min.
Power Output Variation vs. Temperature	2.0 dB, typical
Frequency Drift vs. Temperature <sup>(2)</sup>	150 MHz, typical
Frequency Pulling (12 dB Return Loss)	25 MHz, typical
Frequency Pushing	15 MHz/V, typical
Tuning Voltage Limits	0 to +20 VDC
SSB Phase Noise (50 kHz offset)	-87 dBc/Hz, typical
Harmonics <sup>(3)</sup>	-20 dBc, typical
Spurious	-70 dBc, max.
Bias Voltage <sup>(4)</sup>	+15 VDC ±1%
Bias Current <sup>(5)</sup>	75 mA, typical
Operating Temperature	-30 to +65°C

**Notes:**

- Specifications guaranteed over the operating temperature range. Those specifications indicated as typical are not guaranteed. Plots exemplify typical performance at +25°C
- Total frequency drift over the full temperature range.
- Worst case harmonics over the frequency range.
- Alternate bias voltages available.
- Lower bias current available.
- Military screening available.

**Typical Performance at 25°C**

