

Voltage Controlled Oscillator

RF Band

HV37T-7

HV37SM-72

300 to 600 MHz

Electrical Specifications ⁽¹⁾:

Parameter	Specifications
Frequency Range	300 to 600 MHz
Power Output at 25°C (50 Ohm load)	+10 dBm, min.
Power Output Variation vs. Temperature	1.0 dB, typical
Frequency Drift vs. Temperature ⁽²⁾	12 MHz, typical
Frequency Pulling (12 dB Return Loss)	10 MHz, typical
Frequency Pushing	2.0 MHz/V, typical
Tuning Voltage Limits	0 to +25 VDC
SSB Phase Noise (50 kHz offset)	-110 dBc/Hz, typical
Harmonics ⁽³⁾	-15 dBc, typical
Spurious	-70 dBc, max.
Bias Voltage ⁽⁴⁾	+15 VDC ±1%
Bias Current ⁽⁵⁾	30 mA, typical
Operating Temperature	-55 to +100°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.
- Other package available see page 4-39.
- Military screening available.

Typical Performance at 25°C

