

Voltage Controlled Oscillator Model HVA131T-5

Optical Clock Recovery Model HVA131SM-52

12.450 GHz

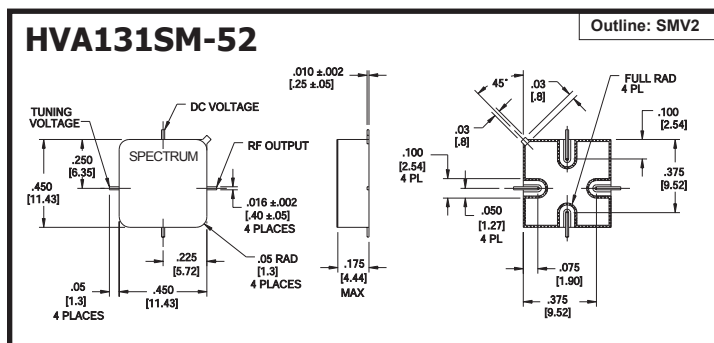
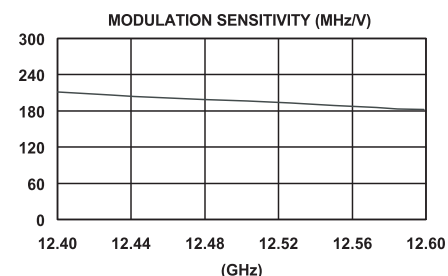
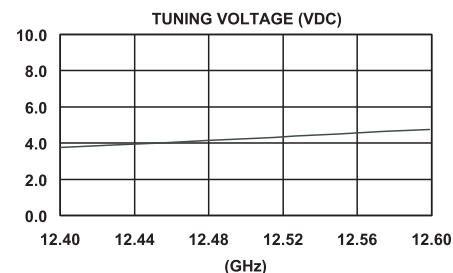
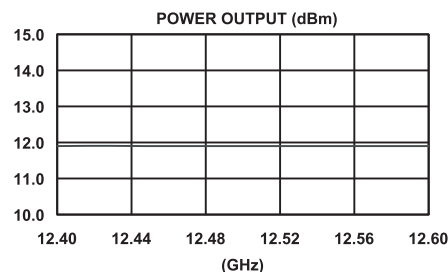
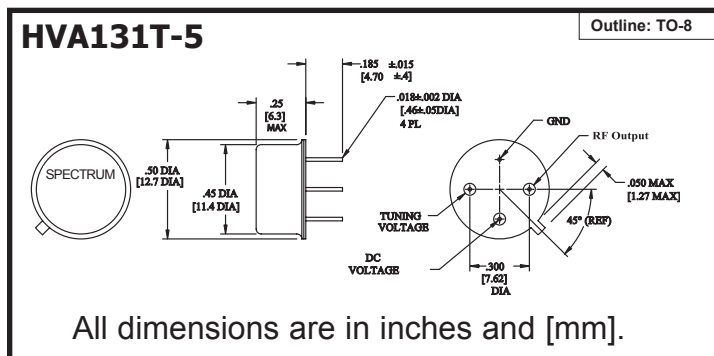
Electrical Specifications:⁽¹⁾

Parameter	Specifications
Frequency Range	12.450 GHz
Power Output at 25°C (50 Ohm load)	+10.0 dBm, min.
Power Output Variation vs. Temperature	1.6 dB, typical
Frequency Drift vs. Temperature ⁽²⁾	105 MHz, typical
Frequency Pulling (12 dB Return Loss)	15 MHz, typical
Frequency Pushing	10 MHz/V, typical
Tuning Voltage Limits	+3 to +7 VDC
SSB Phase Noise (50 kHz offset)	-85 dBc/Hz, typical
Harmonics ⁽³⁾	-14 dBc, typical
Spurious	-60 dBc, max.
Bias Voltage ⁽⁴⁾	+15 VDC $\pm 1\%$
Bias Current ⁽⁵⁾	100 mA, typical
Operating Temperature	0 to +85 °C

Notes:

- Specifications guaranteed over the operating temperature range. Those specifications indicated as typical are not guaranteed.
- 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



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