

Voltage Controlled Oscillator Optical Clock Recovery

Electrical Specifications ⁽¹⁾:

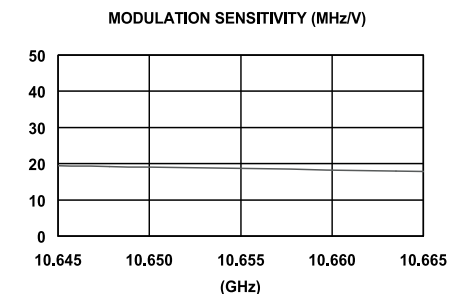
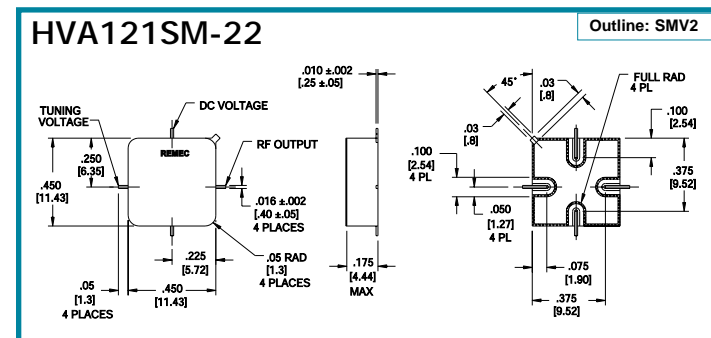
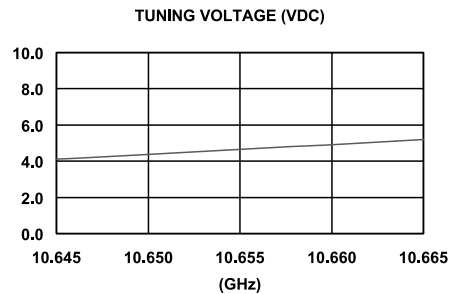
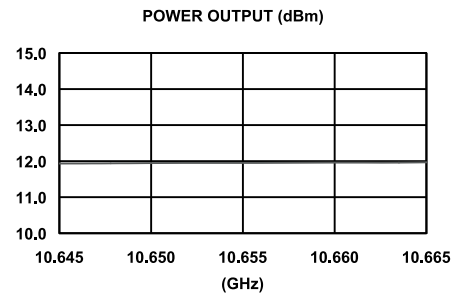
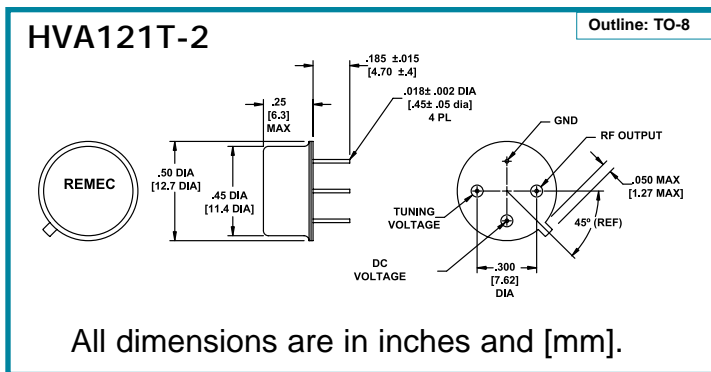
Parameter	Specifications
Frequency Range	10.650 GHz
Power Output at 25°C (50 Ohm load)	10 dBm min.
Power Output Variation vs. Temperature	1.6 dB, typical
Frequency Drift vs. Temperature ⁽²⁾	105 MHz, typical
Frequency Pulling (12 dB Return Loss)	15 MHz, typical
Frequency Pushing	1 MHz/V, typical
Tuning Voltage Limits	+3 to +7 VDC
SSB Phase Noise (50 kHz offset)	-80 dBc/Hz, typical
Harmonics ⁽³⁾	-14 dBc, typical
Spurious	-60 dBc, max.
Bias Voltage ⁽⁴⁾	+15 VDC ±1%
Bias Current ⁽⁵⁾	100 mA, typical
Operating Temperature	0 to +85 °C

HVA121T-2
HVA121SM-22

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.
- Other package available see page 4-45
- Military screening available.

Typical Performance at 25°C



Specifications subject to change without notice.