Voltage Controlled Oscillator Optical Clock Recovery

Electrical Specifications (1):

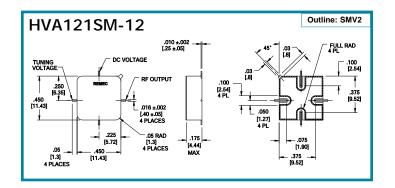
Parameter	Specifications
Frequency Range	9.958 GHz
Power Output at 25°C (50 Ohm load)	10 dBm min.
Power Output Variation vs. Temperature	1.6 dB, typical
Frequency Drift vs. Temperature(2)	105 MHz, typical
Frequency Pulling (12 dB Return Loss)	15 MHz, typical
Frequency Pushing	1 MHz/V, typical
Tuning 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-1 HVA121SM-12

Notes:

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

Outline: TO-8 HVA121T-1 REMEC All dimensions are in inches and [mm].



Typical Performance at 25°C

