

Voltage Controlled Oscillator

Model HVA121T-6

Preliminary

Electrical Specifications: ⁽¹⁾

Parameter	Units	Min	Typ	Max
Frequency Range	GHz	10.6		10.8
Tuning Voltage Limits	V	+3		+7
Power Output at +25°C (50ohm load)	dBm	+7	+10	
Modulation Sensitivity	MHz/V	175		350
Frequency Drift vs. Temperature	MHz		125	
Frequency Pulling (12dB Return Loss)	MHz		20	
Frequency Pushing	MHz/V		2.5	
SSB Phase Noise at 10kHz offset	dBc/Hz		-50	
SSB Phase Noise at 100kHz offset	dBc/Hz		-77	
Second Harmonic	dBc		-12	
Modulation Bandwidth	MHz		10	
Spurious	dBc			-60
Bias Voltage	V	14.85	15	15.15
Bias Current	mA		100	120
Operating Temperature	°C	0		+85

Notes:

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

