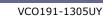


RFMD [10]



Rev: A

VCO Product Specification

Date: 8/10/2009

Customer: RF MICRO DEVICES

Operating Temperature Range: (-35 ° to 85 ° C)



Model:

RoHS Compliant

| Parameter | Min | Тур | Max | Units | Х | Remarks |
|---------------------------------|------|------|------|---------|---|---------|
| Frequency Range - | 1280 | 1305 | 1330 | MHz | Х | |
| Tuning Voltage: | | | | | | |
| 1280 MHz | 0.4 | 0.8 | ĺ | Vdc | Х | |
| 1330 MHz | | 3.2 | 4 | Vdc | Х | |
| Tuning Sensitivity - | 18 | 24 | 32 | MHz/V | Х | |
| Output Power - | -6 | -3 | 0 | dBm | Х | |
| Output Phase Noise: | | | | | | |
| 10 kHz | | -102 | -94 | dBc/Hz | | |
| 100 kHz | | -122 | -116 | dBc/Hz | Х | |
| Power Supply - | 2.75 | 3 | 3.25 | Volts | | |
| Supply Current - | | 6 | 8 | mA | Х | |
| Harmonic Suppression: | | | | | | |
| 2nd Harmonic | | -15 | -10 | dBc | Х | |
| 3rd Harmonic | | -20 | -10 | dBc | Х | |
| Spurious (Non-Harmonic) - | | | -90 | dBc | | |
| Frequency Pushing - 2.75-3.25 V | | 1.5 | 2 | MHz p-p | | |
| Frequency Pulling - 12 dB RL | | 2 | 3 | MHz p-p | | |
| Tuning Port Capacitance - | | 39 | | pF | | |
| Output Impedance - | | 50 | | Ω | | |

Package Information

| | Package Type: | U (0.374 x 0.374 x 0.13 inches) | Drawing Number: | 60036 |
|--|---------------|---------------------------------|-----------------|-------|
|--|---------------|---------------------------------|-----------------|-------|

Comments

X Indicates parameter to be tested 100% in production

RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

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