



VCO Product Specification

Model: VCO191-1597U(Y) **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

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

Pb RoHS Compliant

To order models as RoHS Compliant add "Y" suffix to base model number.

| Parameter | Min | Typ | Max | Units | X | Remarks |
|------------------------------------|------|------|------|---------|---|---------|
| Frequency Range - | 1559 | 1597 | 1635 | MHz | X | |
| Tuning Voltage: | | | | | | |
| 1559 MHz | 0.5 | 0.9 | | Vdc | X | |
| 1635 MHz | | 2.3 | 2.7 | Vdc | X | |
| Tuning Sensitivity - | 45 | 58 | 70 | MHz/V | X | |
| Output Power - | -6 | -3 | 0 | dBm | X | |
| Output Phase Noise: | | | | | | |
| 10 kHz | | -96 | -90 | dBc/Hz | | |
| 100 kHz | | -116 | -110 | dBc/Hz | X | |
| Power Supply - | 2.75 | 3 | 3.25 | Volts | | |
| Supply Current - | | 7 | 9 | mA | X | |
| Harmonic Suppression: | | | | | | |
| 2nd Harmonic | | -11 | -8 | dBc | X | |
| 3rd Harmonic | | -25 | -15 | dBc | X | |
| Spurious (Non-Harmonic) - | | | -90 | dBc | | |
| Frequency Pushing - 2.75 to 3.25 V | | 1.5 | 2 | MHz p-p | | |
| Frequency Pulling - 12 dB RL | | 5 | 7 | 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

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