



VCO Product Specification

Model: VCO191-926X **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

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

| Parameter | Min | Typ | Max | Units | X | Remarks |
|---------------------------------|------|------|------|---------|---|---------|
| Frequency Range - | 913 | 926 | 939 | MHz | X | |
| Tuning Voltage: | | | | | | |
| 913 MHz | 0.4 | 1 | | Vdc | X | |
| 939 MHz | | 2.4 | 2.7 | Vdc | X | |
| Tuning Sensitivity - | 15 | 20 | 23 | MHz/V | X | |
| Output Power - | -6 | -3 | 0 | dBm | X | |
| Output Phase Noise: | | | | | | |
| 10 kHz | | -108 | -102 | dBc/Hz | | |
| 100 kHz | | -128 | -122 | dBc/Hz | X | |
| Power Supply - | 2.85 | 3 | 3.15 | Volts | | |
| Supply Current - | | 7 | 9 | mA | X | |
| Harmonic Suppression: | | | | | | |
| 2nd Harmonic | | -15 | -10 | dBc | X | |
| 3rd Harmonic | | -20 | -10 | dBc | X | |
| Spurious (Non-Harmonic) - | | | -95 | dBc | | |
| Frequency Pushing - 2.85-3.15 V | | 1 | 2 | MHz p-p | | |
| Frequency Pulling - 12 dB RL | | 1 | 2 | MHz p-p | | |
| Tuning Port Capacitance - | | 100 | | pF | | |
| Output Impedance - | | 50 | | Ω | | |

Package Information

| | | | |
|---------------|---------------------|-----------------|-------|
| Package Type: | X (9 x 7 x 1.72 mm) | Drawing Number: | 60794 |
|---------------|---------------------|-----------------|-------|

Comments

X Indicates parameter to be tested 100% in production

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