



CRO Product Specification

Model: CRO193-942T **Rev:** P2 **Date:** 3/21/2005

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-40 ° to 70 ° C)

| Parameter | Min | Typ | Max | Units | X | Remarks |
|-------------------------------------|-----|------|------|---------|---|---------|
| Frequency Range - | 925 | | 960 | MHz | X | |
| Tuning Voltage: | | | | | | |
| 925 MHz | 0 | 1 | | Vdc | X | |
| 960 MHz | | 11 | 12 | Vdc | X | |
| Tuning Sensitivity - | 2 | 3.5 | 7 | MHz/V | X | |
| Output Power - | 3 | 6 | 9 | dBm | X | |
| Output Phase Noise: | | | | | | |
| 10 kHz | | -123 | -117 | dBc/Hz | | |
| 100 kHz | | -143 | -137 | dBc/Hz | X | |
| Power Supply - | 7.9 | 8 | 8.1 | Volts | | |
| Supply Current - | | 23 | 30 | mA | X | |
| Harmonic Suppression: | | | | | | |
| 2nd Harmonic | | -20 | -10 | dBc | X | |
| 3rd Harmonic | | -35 | -20 | dBc | X | |
| Spurious (Non-Harmonic) - | | | -90 | dBc | | |
| Frequency Pushing - 7.9-8.1 V | | 0.1 | 0.3 | MHz p-p | | |
| Frequency Pulling - into a 12 dB RL | | 0.8 | 1.5 | MHz p-p | | |
| Tuning Port Capacitance - | | 100 | | pF | | |
| Output Impedance - | | 50 | | Ω | | |

Package Information

| | | | |
|---------------|--------------------------|-------------------|-------|
| Package Type: | T | Drawing Number: | 60035 |
| Dimensions: | 0.5 x 0.5 x 0.223 inches | Drawing Revision: | E |

Comments

X Indicates parameter to be tested 100% in production

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