



PLL Product Specification

Model: PLL350-2444(Y) **Rev:** P2 **Date:** 9/1/2006
Customer: SIRENZA **AppNote:** 113 Option 207000
 MICRODEVICES
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 - | 2344 | | 2544 | MHz | X | |
| Step Size - | | 250 | | kHz | X | |
| Settling Time - | | 10 | 50 | mSec | | to within 1kHz |
| Output Power - | -4 | -1 | 2 | dBm | X | |
| Output Phase Noise - 10 kHz | | -93 | -85 | dBc/Hz | X | |
| Power Supply: | | | | | | |
| | 4.9 | 5 | 5.1 | Volts | X | VCO and CP |
| | 3.15 | 3.3 | 3.45 | Volts | X | PLL IC |
| Supply Current: | | | | | | |
| | | 30 | 50 | mA | X | VCO and CP |
| | | 15 | 20 | mA | X | PLL IC |
| Spurious Product - 250 kHz | | -80 | -70 | dBc | X | |
| Reference Feedthrough - | | -80 | -65 | dBc | | |
| Harmonic Suppression: | | | | | | |
| 2nd Harmonic | | -25 | -20 | dBc | X | |
| Ref Osc Signal: | | | | | | |
| Frequency | | 30 | | MHz | | |
| Amplitude | 0.8 | | 3.3 | Vp-p | | |
| Phase Noise - 1 kHz | | -145 | | dBc/Hz | | |
| Input Impedance | | 100 | | kΩ | | |
| Output Impedance - | | 50 | | Ω | | Nominal |

Package Information

| | | | |
|---------------|--|-----------------|-------|
| Package Type: | PLL350 (0.8 x 0.582 x 0.154 inches) | Drawing Number: | 61054 |
|---------------|--|-----------------|-------|

Comments

X Indicates parameter to be tested 100% in production

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