



PLL Product Specification

Model: PLL350-1760(Y) **Rev:** P4 **Date:** 9/1/2006
Customer: SIRENZA MICRODEVICES, INC. **AppNote:** 113, Opt. 207000
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 - | 1730 | 1760 | 1790 | MHz | X | |
| Step Size - | | 200 | | kHz | X | |
| Settling Time - To within 1.0 kHz | | 0.4 | 0.5 | mSec | | |
| Output Power - | 0 | 3 | 6 | dBm | X | |
| Output Phase Noise: | | | | | | |
| 1 kHz | | -84 | -78 | dBc/Hz | | |
| 100 kHz | | -114 | -108 | dBc/Hz | | |
| 800 kHz | | -142 | -136 | dBc/Hz | X | |
| Power Supply: | | | | | | |
| VCO | 4.75 | 5 | 5.25 | Volts | | |
| PLL IC | 2.9 | 3 | 3.1 | Volts | | |
| Supply Current: | | | | | | |
| VCO | | 35 | 50 | mA | X | |
| PLL IC | | 10 | 15 | mA | | |
| Spurious Product - 200 kHz | | -85 | -70 | dBc | X | |
| Reference Feedthrough - | | -85 | -70 | dBc | | |
| Harmonic Suppression: | | | | | | |
| 2nd Harmonic | | -25 | -15 | dBc | X | |
| 3rd Harmonic | | -30 | -20 | dBc | X | |
| Ref Osc Signal: | | | | | | |
| Frequency | | 10 | | MHz | | |
| Amplitude | 0.4 | | 3 | Vp-p | | |
| Phase Noise - 1 kHz | | -145 | | dBc/Hz | | |
| Input Impedance | | 100 | | kΩ | | |
| Output Impedance - | | 50 | | Ω | | |

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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