



PLL Product Specification

Model: PLL400-947A(Y) **Rev:** **Date:** 9/1/2006
Customer: SIRENZA **AppNote:** 113 Option 207000
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 - | 934 | 947 | 960 | MHz | X | |
| Step Size - | | 30 | | kHz | X | |
| Settling Time - To within 1.0 kHz | | 11.8 | 15 | mSec | | |
| Output Power - | 0 | 3 | 6 | dBm | X | |
| Output Phase Noise - 10 kHz | | -111 | -105 | dBc/Hz | X | |
| Power Supply - | 4.75 | 5 | 5.25 | Volts | | |
| Supply Current - | | 18 | 27 | mA | X | |
| Spurious Product - 30 kHz | | -78 | -70 | dBc | X | |
| Reference Feedthrough - | | -80 | -70 | dBc | | |
| Harmonic Suppression: | | | | | | |
| 2nd Harmonic | | -15 | -10 | dBc | X | |
| 3rd Harmonic | | -30 | -10 | dBc | X | |
| Ref Osc Signal: | | | | | | |
| Frequency | | 10 | | MHz | | |
| Amplitude | 3 | | 5 | Vp-p | | |
| Phase Noise - 1 kHz | | -145 | | dBc/Hz | | |
| Input Impedance | | 10 | | kΩ | | |
| Output Impedance - | | 50 | | Ω | | |

Package Information

| | | | |
|---------------|-------------------------------------|-----------------|-------|
| Package Type: | PLL400 (0.6 x 0.6 x 0.14 inches) | Drawing Number: | 60080 |
|---------------|-------------------------------------|-----------------|-------|

Comments

X Indicates parameter to be tested 100% in production

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