



## PLL Product Specification

**Model:** PLL400-744(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 -               | 726 | 744  | 761  | MHz    | X |         |
| Step Size -                     |     | 200  |      | kHz    | X |         |
| Settling Time - To within 1 kHz |     | 3    | 10   | mSec   |   |         |
| Output Power -                  | 3   | 6    | 9    | dBm    | X |         |
| Output Phase Noise:             |     |      |      |        |   |         |
| 1 kHz                           |     | -87  | -81  | dBc/Hz |   |         |
| 100 kHz                         |     | -135 | -129 | dBc/Hz | X |         |
| Power Supply -                  | 4.9 | 5    | 5.1  | Volts  |   |         |
| Supply Current -                |     | 45   | 50   | mA     | X |         |
| Spurious Product - 200 kHz      |     | -80  | -75  | dBc    | X |         |
| Reference Feedthrough -         |     | -95  | -90  | dBc    |   |         |
| Harmonic Suppression:           |     |      |      |        |   |         |
| 2nd Harmonic                    |     | -15  | -10  | dBc    | X |         |
| 3rd Harmonic                    |     | -20  | -15  | dBc    | X |         |
| Ref Osc Signal:                 |     |      |      |        |   |         |
| Frequency                       |     | 10   |      | MHz    |   |         |
| Amplitude                       | 3   |      | 5    | Vp-p   |   |         |
| Phase Noise - 1 kHz             |     | -145 |      | dBc/Hz |   |         |
| Input Impedance                 |     | 100  |      | kΩ     |   |         |
| Output Impedance -              |     | 50   |      | Ω      |   |         |

### Package Information

|               |                                     |                 |       |
|---------------|-------------------------------------|-----------------|-------|
| Package Type: | PLL400<br>(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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