



## PLL Product Specification

**Model:** PLL400-735(Y)      **Rev:** P3      **Date:** 9/1/2006  
**Customer:** SIRENZA MICRODEVICES, INC.      **AppNote:** 109, Opt. 101  
**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 -                 | 717 | 735  | 752  | MHz    | X |         |
| Step Size -                       |     | 200  |      | kHz    | X |         |
| Settling Time - To within 1.0 kHz |     |      | 0.5  | mSec   |   |         |
| Output Power -                    | 0   | 3    | 6    | dBm    | X |         |
| Output Phase Noise:               |     |      |      |        |   |         |
| 1 kHz                             |     | -88  | -82  | dBc/Hz |   |         |
| 100 kHz                           |     | -120 | -114 | dBc/Hz |   |         |
| 600 kHz                           |     | -148 | -134 | dBc/Hz | X |         |
| Power Supply -                    | 4.9 | 5    | 5.1  | Volts  |   |         |
| Supply Current -                  |     | 25   | 50   | mA     | X |         |
| Spurious Product - 600 kHz        |     | -95  | -90  | dBc    | X |         |
| Reference Feedthrough -           |     | -90  | -75  | 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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