



## PLL Product Specification

**Model:** PLL400-755      **Rev:** B      **Date:** 4/30/2003  
**Customer:** SIRENZA MICRODEVICES, INC.      **AppNote:** 107  
**Operating Temperature Range:** ( -35 ° to 85 ° C)

| Parameter                         | Min  | Typ  | Max  | Units      | X | Remarks |
|-----------------------------------|------|------|------|------------|---|---------|
| Frequency Range -                 | 742  | 755  | 768  | MHz        | X |         |
| Step Size -                       |      | 30   |      | kHz        | X |         |
| Settling Time - To within 1.0 kHz |      | 12   | 15   | mSec       |   |         |
| Output Power -                    | -1   | 2    | 5    | dBm        | X |         |
| Output Phase Noise - 10 kHz       |      | -109 | -103 | dBc/Hz     | X |         |
| Power Supply -                    | 4.75 | 5    | 5.25 | Volts      |   |         |
| Supply Current -                  |      | 18   | 25   | mA         | X |         |
| Spurious Product - 30 kHz         |      | -81  | -70  | dBc        | X |         |
| Reference Feedthrough -           |      | -80  | -70  | dBc        |   |         |
| Harmonic Suppression:             |      |      |      |            |   |         |
| 2nd Harmonic                      |      | -13  | -9   | dBc        | X |         |
| 3rd Harmonic                      |      | -22  | -10  | dBc        | X |         |
| Ref Osc Signal:                   |      |      |      |            |   |         |
| Frequency                         |      | 10   |      | MHz        |   |         |
| Amplitude                         | 0.4  |      | 2    | Vp-p       |   |         |
| Phase Noise - 1 kHz               |      | -145 |      | dBc/Hz     |   |         |
| Input Impedance                   |      | 10   |      | k $\Omega$ |   |         |
| Output Impedance -                |      | 50   |      | $\Omega$   |   |         |

### Package Information

|               |                         |                   |       |
|---------------|-------------------------|-------------------|-------|
| Package Type: | PLL400                  | Drawing Number:   | 60080 |
| Dimensions:   | 0.6 x 0.6 x 0.14 inches | Drawing Revision: | B     |

### Comments

X Indicates parameter to be tested 100% in production

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