



PLL Product Specification

Model: PNP-437-P22-G **Rev:** A **Date:** 5/18/2010
Customer: RF MICRO DEVICES **AppNote:**
Operating Temperature Range: (-40 ° to 85 ° C)

RoHS Compliant

| Parameter | Min | Typ | Max | Units | X | Remarks |
|-------------------------|------|------|-------|--------|---|-------------|
| Frequency Range - | 2000 | | 2250 | MHz | X | |
| Step Size - | 500 | | 10000 | kHz | X | |
| Output Power - | 7 | 9 | 11 | dBm | X | |
| Output Phase Noise: | | | | | | |
| 1 kHz | | -97 | -93 | dBc/Hz | | |
| 10 kHz | | -102 | -97 | dBc/Hz | X | |
| 100 kHz | | -115 | -110 | dBc/Hz | | |
| 1000 kHz | | -145 | -140 | dBc/Hz | | |
| Power Supply: | | | | | | |
| | 9.7 | 10 | 10.3 | Volts | X | V1 |
| | 2.7 | 3 | 3.3 | Volts | X | V2 |
| Supply Current: | | | | | | |
| | | 50 | 60 | mA | X | I1 |
| | | 25 | 35 | mA | X | I2 |
| Spurious Product - | | -70 | -60 | dBc | | STEP=500kHz |
| Reference Feedthrough - | | -80 | -71 | dBc | | |
| Harmonic Suppression: | | | | | | |
| 2nd Harmonic | | -20 | -10 | dBc | | |
| Ref Osc Signal: | | | | | | |
| Frequency | | 10 | | MHz | | |
| Amplitude | 0 | | 3.3 | Vp-p | | DC Coupled |

Package Information

| | | | |
|---------------|-------------------------------|-----------------|--------|
| Package Type: | P22 (0.6 x 0.6 x 0.22 inches) | Drawing Number: | UP-P22 |
|---------------|-------------------------------|-----------------|--------|

Comments

X Indicates parameter to be tested 100% in production
 Specification Test Conditions V1=10V, V2=3V, REF=10MHz.
 Reference Input Level -5dBm min / +5dBm max - AC coupled.

RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

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