

Customer Code : _____

DATASHEET

DAPU P/N: **DP6U4000002**

| Plot | | | The Label |
|------------------|---------|----------|------------------------|
| Drew | Audited | Approved | Stamp, please! Thanks! |
| | | | |
| Date: 2020.04.27 | | | |

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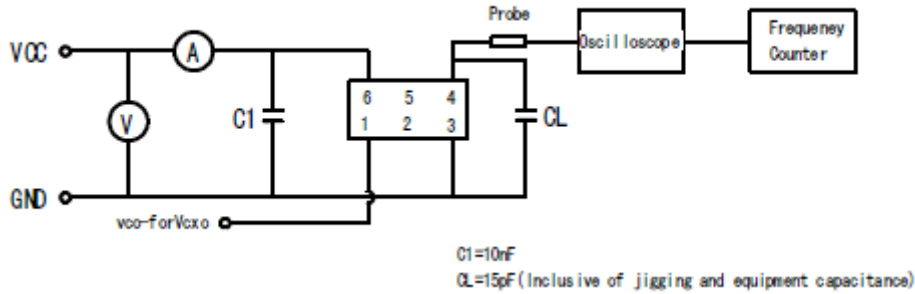


1、Electrical Parameters

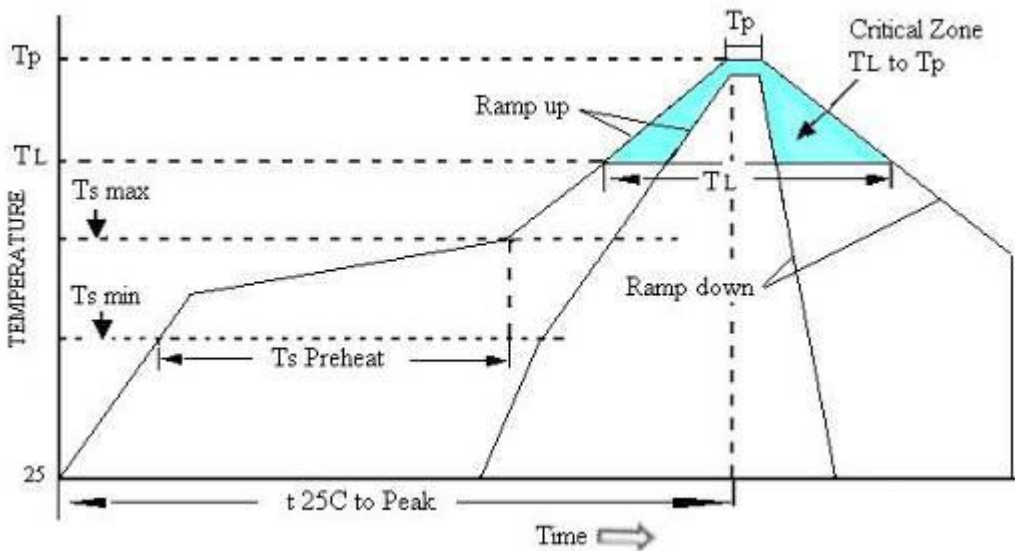
| MODEL: DP6U4000002 | | | | | | | |
|--------------------|------------------------|--------|------------------|------|--------|------------------|---|
| No. | Parameters | SYM. | Electrical Spec. | | | | Notes |
| | | | Min. | Typ. | Max. | Units | |
| 1 | Nominal Frequency | FL | 40.00 | | | MHz | |
| 2 | Output Waveform | | CMOS | | | | |
| 3 | Standby Function | | Internal Pull Up | | | | YES |
| 4 | Supply Voltage | | 2.97 | 3.3 | 3.63 | V | |
| 5 | Total Stability | F-stab | -50 | | +50 | $\times 10^{-6}$ | Inclusive of frequency tolerance@25°C and frequency stability vs. operating temperature range and aging |
| 6 | Operating Temperature | T-opr | -40 | +25 | +85 | °C | |
| 7 | Storage Temperature | T-stg | -55 | ~ | +125 | °C | |
| 8 | Current Consumption | Icc | - | | 20 | mA | |
| 9 | Rise/Full Time | Tr、 Tf | | | 4 | nS | 10%-90% Output Swing |
| 10 | Output Load | | 15 | | | pF | |
| 11 | Aging | | -3 | | +3 | $\times 10^{-6}$ | One Year Aging Rate |
| 12 | Duty Cycle | DC | 45 | | 55 | % | |
| 13 | Output Voltage High | VOH | 0.9VDD | - | - | V | |
| 14 | Output Voltage Low | VOL | - | - | 0.1VDD | V | |
| 15 | Start-up Time | | - | - | 1 | ms | To 90% of Final Amplitude |
| 16 | Pull Range | | ± 100 | | | $\times 10^{-6}$ | |
| 17 | Control Voltage Range | VC | 0 | | 3.3 | V | |
| 18 | Linearity | | -10 | | 10 | % | Vc=0 to 3.3V |
| 19 | Modulation Bandwidth | | 15 | 20 | | KHz | |
| 20 | VC Pin Input Impedance | | 5 | | | MΩ | |
| 21 | Phase Jitter | RMS | | | 0.8 | pS | 12KHz to 20MHz BW |
| 22 | Phase Noise | | | | -100 | dBc | 100Hz |
| | | | | | -130 | | 1KHz |
| | | | | | -140 | | 10KHz |
| | | | | | -150 | | 100 Hz |



3、 Test Circuit (CMOS LOAD)



4、 REFLOW PROFILE



5、 Package: Tape & Reel (mm)

