

Customer Code: _____

DATASHEET

DAPU P/N: V756-A619-156.253906MHz

| | | | |
|------------------|---------|------|------------------------|
| DAPU | | | Customer Approval |
| Drew | Audited | Drew | Stamp, please! Thanks! |
| | | | |
| Date: 2016.04.20 | | | |

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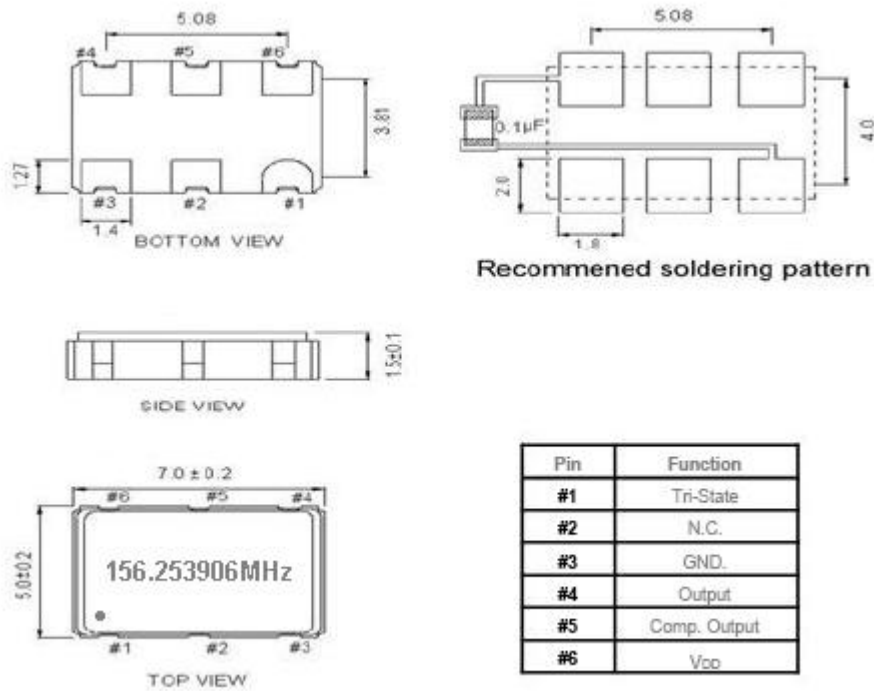


1、Electrical Parameters

| Parameters | SYM | Electrical Spec. | | | | Notes |
|---------------------------------|--------------------------------|------------------|------|-------|--------------------|--|
| | | Min. | Typ. | Max. | Units | |
| Frequency Stabilities | | | | | | |
| Nominal Frequency | F _N | 156.253906 | | | MHz | |
| Frequency stability (Overall) | F _{STAB} | -25 | | +25 | × 10 ⁻⁶ | Frequency stability includes frequency tolerance@25°C and frequency stability vs. operating temperature range and voltage variance and first year aging. |
| Vs. aging | - | -3 | | +3 | × 10 ⁻⁶ | @25°C,first year |
| RF Output | | | | | | |
| Output Waveform | | LVPECL | | | | |
| Load | I _{OUT} | 50Ω-2V | | | Ω | |
| Output Voltage High | V _{OH} | 2.275 | | | V | |
| Output Voltage Low | V _{OL} | | | 1.68 | V | |
| Rise / Fall Time | T _r /T _f | | | 1 | ns | |
| Symmetry | SYM | 45 | ~ | 55 | % | |
| Start-up Time | T _S | | | 3 | ms | |
| Supply Voltage | | | | | | |
| Supply Voltage | V _{CC} | 3.135 | 3.3 | 3.465 | V | |
| Input Current | I _{CC} | | | 75 | mA | |
| Enable Control | | Yes | | | | Pin1 |
| Output Enable | V _{IH} | 2.31 or Floating | | | V | |
| Output Disable | V _{IL} | | | 0.99 | V | |
| Phase Noise | | | | | | |
| Jitter | | | | 0.2 | ps | RMS(12KHz to 20MHz) |
| Phase Noise | | | | -90 | dBc/Hz | 100Hz |
| | | | | -115 | | 1KHz |
| | | | | -140 | | 10KHz |
| | | | | -145 | | 100KHz |
| Operating Temperature | T _{OP} | -40 | ~ | 85 | °C | |
| Storage Temperature | T _{ST} | -55 | ~ | 125 | °C | |
| Environmental Conditions | | | | | | |
| Vibration Test | MIL-STD-883 2007 Condition A | | | | | 10~2000Hz, 1.52mm, 20g, each axis for 4 hrs |
| | JESD22-B103 Condition 1 | | | | | |
| Thermal Shock | MIL-STD-883 1010 Condition B | | | | | -55°C, 125°C; soak time is 10 mins, with total 200 cycles |
| | JESD22-A104 Condition B | | | | | |
| Mechanical Shock | MIL-STD-883 2002 Condition B | | | | | 1500g, half-sine, 0.5ms, each axis for 3 times. |
| | JESD22-B104 Condition B | | | | | |



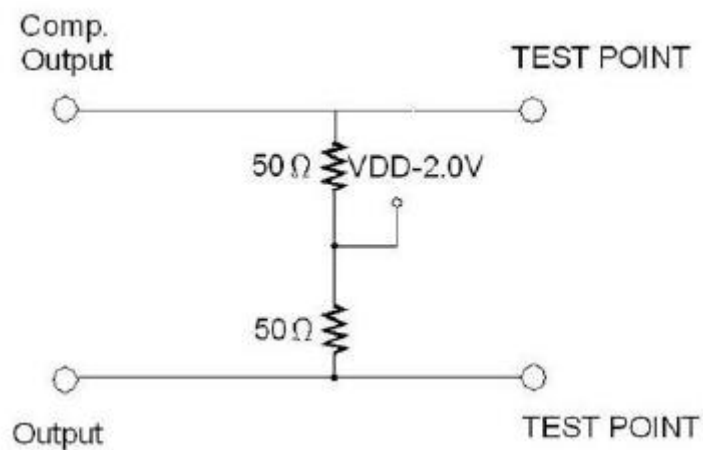
2、 Mechanical Structure(mm)



| Pin | Function |
|-----|-----------------|
| #1 | Tri-State |
| #2 | N.C. |
| #3 | GND. |
| #4 | Output |
| #5 | Comp. Output |
| #6 | V _{cc} |

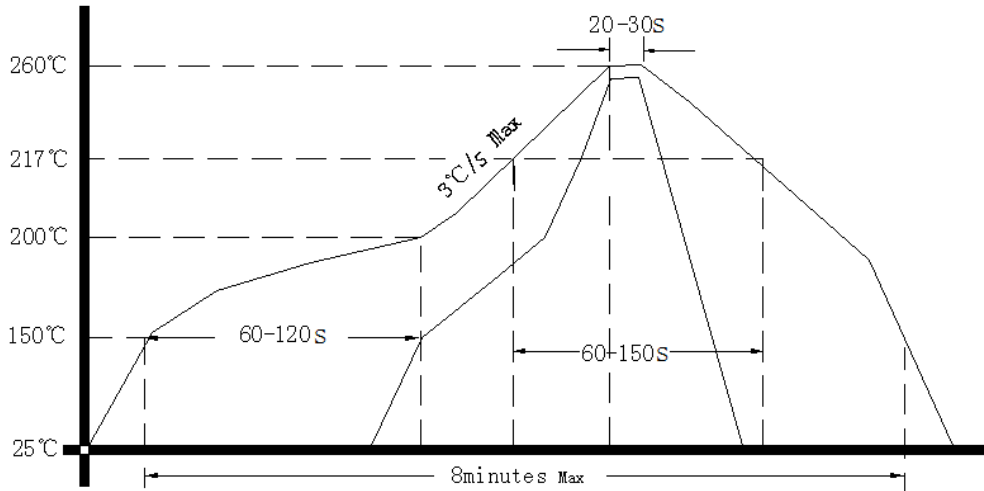
Note1: Tolerance ± 0.20 mm without mark

3、 Test circuit





4、 Reflow Soldering Curve (RoHS)



5、 Package: Tape & Reel (mm)

