

SMD LVDS VCXO - Differential Output 7.0 x 5.0 x 1.3 mm BP Series



Features

- Voltage Controlled Crystal Oscillator (VCXO).
- PLL solution.
- LVDS output, output frequencies 60 MHz to 700 MHz.
- Wide pull range and good linearity.
- Low phase noise and jitter.
- Tri-State function available.
- Applications : SDH / SONET, Ethernet, Base Stations.
- RoHS Compliant / Pb Free.

Electrical Specifications

| Item / Type | BP |
|--|--|
| Output Type | LVDS |
| Output Load | 100 Ω |
| Oscillation Mode | PLL |
| Supply Voltage (VDD) | 3.3 V |
| Frequency Range | 60 ~ 700 MHz |
| Operating Temperature Range | -10 ~ + 70 °C , - 40 ~ + 85 °C, or specify |
| Storage Temperature Range | - 55 ~ + 125 °C |
| Voltage Vol (Min.) / Voh (Max.) | 0.9 V / 1.6 V |
| Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %) | 1 nS Max. |
| Supply Current | 99 mA |
| Symmetry | 45 ~ 55 % |
| Start-up Time | 10 mS Max. |
| Absolute Pulling Range (APR) * | ± 50 ppm Min. , or specify |
| Nominal Control Voltage | 0.5 VDD |
| Control Voltage Range | 0 ~ VDD |
| Linearity | ± 10 % Max. |
| Phase Jitter (12 KHz ~ 20 MHz) | 1 pS Max. |

* APR=(Pull Range) - (Frequency tolerance at 25 °C, variation over temperature, supply voltage variation, and aging.)

Dimensions

