

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



Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- LVPECL output ,output frequencies 200 MHz to 700 MHz.
- Wide pull range and good linearity.
- Low phase noise, low jitter.
- Tri-State function available.
- Applications : SDH / SONET, Ethernet, Base Stations.
- RoHS Compliant / Pb Free.

Electrical Specifications

Item / Type	BM
Output Type	LVPECL
Output Load	50 Ω
Oscillation Mode	Multiplier
Supply Voltage (VDD)	3.3 V
Frequency Range	200 ~ 700 MHz
Operating Temperature Range	-10 ~ + 70 $^{\circ}\text{C}$, - 40 ~ + 85 $^{\circ}\text{C}$, or specify
Storage Temperature Range	- 55 ~ + 125 $^{\circ}\text{C}$
Voltage Vol (Min.) / Voh (Max.)	VDD - 1.62 V / VDD - 1.025 V
Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %)	1 nS Max.
Supply Current	80 mA
Symmetry	45 ~ 55 %
Start-up Time	10 mS Max.
Absolute Pulling Range (APR) *	\pm 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 $^{\circ}\text{C}$, variation over temperature, supply voltage variation, and aging.)

Dimensions

