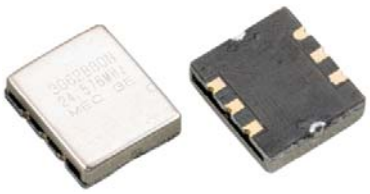
VCXO [Voltage Controlled Crystal Oscillators] *GPF62 series* *3.3 V*

SMD LVPECL output
11.4 x 9.6 x 2.5 mm



RoHS Compliance

Features

- Tri-state function available on pad No. 2.

Applications

- " GPF " series: Best performance among the three series. Phase jitter is less than 0.5 ps.

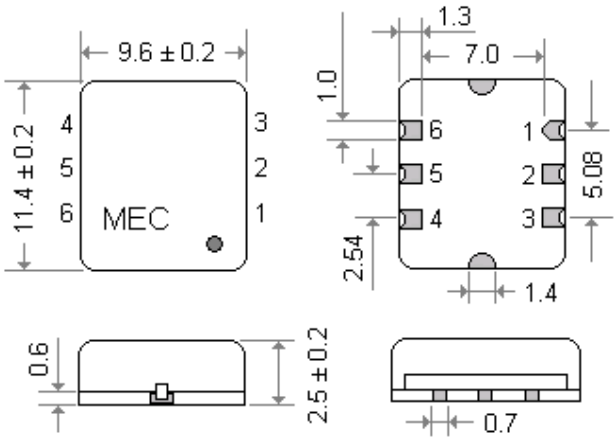
General Specifications

Paramenters		Electrical Spec.
Input Voltage (V_{DD})		3.3 V ± 5 %
Frequency Range / Load		38.0 MHz ~ 640,0 MHz
Output Wave Form		LVPECL output
Output Logic High " 1 "	min.	V_{DD} - 1.025 (RL = 50 Ω to (V_{DD} - 2.0V)
	typical	V_{DD} - 0.950 (RL = 50 Ω to (V_{DD} - 2.0V)
	max.	V_{DD} - 0.88 (RL = 50 Ω to (V_{DD} - 2.0V)
Output Logic Low " 0 "	min.	V_{DD} - 1.810 (RL = 50 Ω to (V_{DD} - 2.0V)
	typical	V_{DD} - 1.700 (RL = 50 Ω to (V_{DD} - 2.0V)
	max.	V_{DD} - 1.620 (RL = 50 Ω to (V_{DD} - 2.0V)
Initial Freq. Accuracy (at 25 °C)		To tune to the nomial frequency with Vc = 1.65V ± 0.15V
Frequency Deviation Range		Standard : ± 80 ppm (min.)
Control Voltage Center / Control Voltage Range		1.65 VDC / 0.3 V to 3.0 V
Integrated Phase Noise (12 KHz to 20 MHz)		0.4 ps (typical) ; 0.5 ps (max.)
Rise Time (Tr) / Fall Time (Tf)		0.4n sec.(typical) ; 0.6 n sec. (max.)
Duty Cycle		50% ± 10% [50% ± 5% is also available]
Load		50 Ω into Vcc - 2V or Thevenin equivalent
Current Consumption (15 pF load)		38.0 ~ 100.0 MHz: 65 mA (max.) ; 100.1 ~ 320.0 MHz: 80 mA (max.) ; 320.1 ~ 800.0 MHz: 90 mA (max.)
Start - Up Time (Ts)		10 m sec.(typical)
Storage Temperature		- 50°C to 100°C
Aging		± 3 ppm per year (max.)

Frequency Stability [1] Codes	Frequency Stability over Operating Temperature Range	± 25 ppm	± 50 ppm	± 100 ppm	If non-standard , please enter the desired stability after the " C " or " I "
	Commercial (*-10°C to +70°C*)	*A*	*B*	*C*	For example : " C20 " ±20 ppm over -10°C to +70°C ; " I20 " ± 20 ppm over -40°C to +85°C
	Industrial (*-40°C to +85°C*)	*D*	*E*	*F*	

Phase Noise (typical) [156.250 MHz]	Offset	10 Hz	100 Hz	1K Hz	10 KHz	100KHz	1 MHz	10 MHz
	dBc / Hz	-62	-90	-120	-132	-128	-140	-150

General Specifications (Unit : mm)



Pad Connections			
1	Voltage Control	4	Output
2	Tri - state	5	Complimentary output
3	Ground	6	Supply Voltage

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