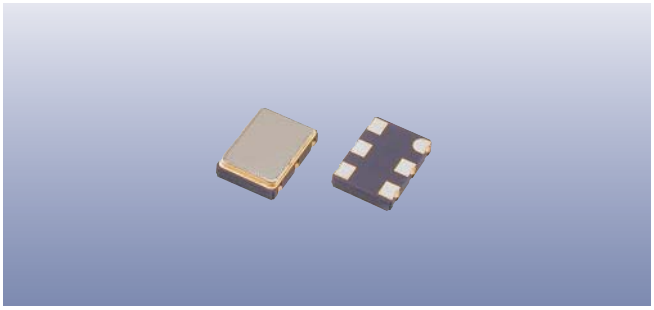
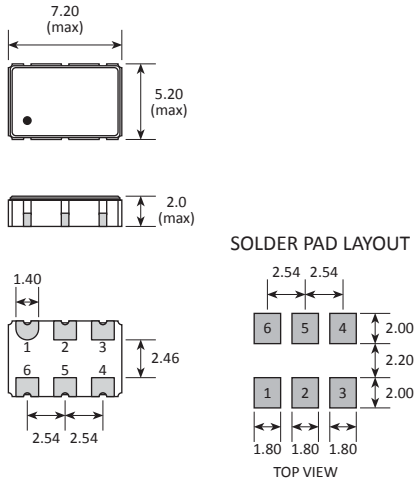
3.3V VCXO Complementary LV-PECL

GVXO-54

RoHS 2002/95/EC

Pb LeadFree





PAD	CONNECTION
1	Control voltage
2	Enable / disable
3	Ground
4	Output 1 (Q)
5	Output 2 ($\bar{Q}$)
6	Supply

Features

- **Frequencies up to 700MHz**
- **Complementary LV-PECL outputs**
- **Fast rise / fall times**
- **Enable / disable tristate function**

Enable / Disable Function

Input (pad 2) *	Output 1 (pad 4)	Output 2 (pad 5)
Open	Active	Active
'1' level V_{IH}	High ('1')	High ('0')
'0' level V_{IL}	Active	Active

* Note: '0' level = $V_{IL} \leq V_{CC}$-1.60V, '1' level = $V_{IH} \geq V_{CC}$ -1.10V

Specifications

Parameters	Product GVXO-54	Option Codes
Frequency range: 12.0 ~ 700MHz	■	
Voltage control (V_{CTL}): +1.65V ±1.50V, 10% linearity	■	
Frequency pullability (min): ±150ppm	■	
Other	□	specify
Frequency stability*: ±50ppm	■	B
±25ppm	□	C
Other	□	specify
Operating temperature range: -10 to +70°C	■	
-40 to +85°C	□	I
Storage temperature range: -40 to +85°C	■	
Supply voltage (V_{DD}): +3.3V (±5%)	■	
Supply current: 65mA max (≤100MHz)	■	
120mA max (>100 ~ 700MHz)	■	
Output: Complementary PECL	■	
Test load: R_T = 50Ω	■	
V_T = 1.3V	■	
Logic levels: '0' level = +1.7V max	■	
'1' level = +2.2V min	■	
Waveform symmetry: 40:60 max @ 50%V_{P-P}	■	
Rise / fall time: 1.5ns max (20% ~ 80%V_{P-P})	■	
Phase jitter: 5ps max (12kHz~20MHz)	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

* Frequency stability is inclusive of operating temperature range, supply voltage change and ageing, with V_{CTL} = +1.65V

Ordering Information

Product + option codes + frequency

eg: **GVXO-54/C 155.520MHz** ±25ppm stability -10+70°C

GVXO-54/BI 77.760MHz ±50ppm stability -40+85°C

Option codes must be included to specify a model completely.

Option code X (eg GVXO-54/X) denotes a custom spec.

◆ Available on T&R - 2k pcs per reel. Refer to our website for details.

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