



QCV65 Series

SMD VCXO, 5x3.2mm, HCMOS

Frequency	2.00 MHz to 80.00 MHz	
Output Level	HCMOS	
Level	'0' = 0.1 V _{DD} Max., '1' = 0.9 V _{DD} Min.	
Output Load	15 pF	
Duty Cycle	50% ± 5% or 50% ± 10% (See Part Number Guide)	
Rise / Fall Time	5 nS Max.	
Start-Up Time	3 mS Max.	
Frequency Stability	See Part Number Guide	
Supply Voltage	3.3 VDC, Tolerance ±10 %	
Supply Current	15 mA Max.	
Stand By Voltage	Enable (V_{IH})	0.7 x V _{DD} Min.
	Disable (V_{IL})	0.3 x V _{DD} Max.
Output Enable Delay Time	2 mS Max.	
Output Disable Delay Time	100 nS Max.	
Current Consumption when Disabled	10 µA Max.	
Linearity	±10 %	
VC Impedance	5 MΩ Min,	
Phase Noise	-130 dBc Max. @ 1KHz	
Phase Jitter RMS	0.8 pS Max. @ 12Khz – 20MHz BW	
Control Voltage	See Part Number Guide	
Temperature		
Operating	See Part Number Guide	
Storage	-55° C to +125° C	
Aging First Year	±3 ppm Max. @25° C + 3° C	
Aging 15 Years	±10 ppm Max. @25° C + 3° C	

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Specifications subject to change without notice. Rev A 5/9/2022

Part Number Guide		Sample Part Number: QCV65 – C333T - 25.000				
Package	Operating Temperature	Frequency Stability	Pullability	Supply Voltage	Enable / Disable	Frequency
QCV65-	A = 0° C to +70° C	2 = ±50 ppm	1 = ±50 ppm Min	3 = 3.3 VDC	T = Yes	- 25.000 MHz
	B = -20° C to +70° C	3 = ±25 ppm	2 = ±75 ppm Min			
	C = -40° C to +85° C	4 = ±20 ppm	3 = ±100 ppm Min			
		5 = ±15 ppm	4 = ±125 ppm Min			
		6 = ±10 ppm	5 = ±150 ppm Min			
			6 = ±200 ppm Min			

