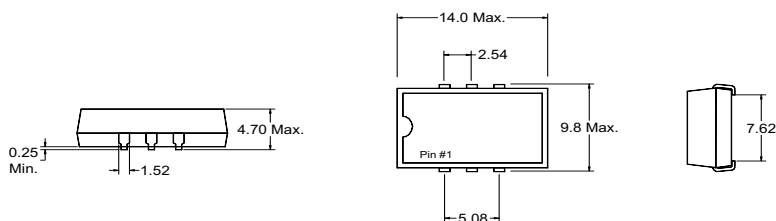


# QCV45/QCV50 Series

## SMD VCXO, 9.8 x 14 mm, PECL / LVDS

Type	QCV45	QCV50		
Frequency	25.000 MHz ~ 650.000 MHz	25.000 MHz ~ 650.000 MHz		
Output Level	PECL	LVDS		
“0” Level	V <sub>cc</sub> – 1.63 Max. ( PECL )	1.125 VDC Max ( LVDS )		
“1” Level	V <sub>cc</sub> – 1.02 Min. ( PECL )	1.375 VDC Min ( LVDS )		
Duty Cycle	40% / 60% @ V <sub>cc</sub> -1.3 VDC ( PECL )	40% / 60% @ 1.25 VDC ( LVDS )		
Rise/ Fall Time	0.6 nS Max., 20% to 80% Levels	0.6 nS Max., 20% to 80% Levels		
Output Load	50 Ohms to V <sub>cc</sub> – 2.0 VDC	50 Ohm Differential		
Supply Voltage	3.3 Vdc ±5%	3.3 Vdc ±5%		
Supply Current	<160 MHz, 95 mA Max. >160 MHz, 120 mA Max.	<160 MHz, 50 mA Max. >160 MHz, 80 mA Max.		
Stability				
Frequency vs. Temperature	See Frequency Stability Table			
Control Voltage Range	0.3 VDC Min. / 1.65 VDC Nominal / 3.0 VDC Max.			
Pullability	See Pullability Table			
Temperature				
Operating	See Temperature Range Table			
Storage	-55°C to +125°C			
<b>Part Number Guide</b>	<b>Sample Part #:</b>	<b>QCV45-A12- 650.000</b>		
	Temperature Range	Frequency Stability	Pullability	Frequency
QCV45	A	1	2	650.000 MHz
QCV50				
Temperature Range Table	Frequency Stability Table		Pullability Table	
A = 0°C to +70°C	1 = ± 100 ppm		1 = ± 50 ppm Min.	
B= -30°C to +80°C	2 = ± 50 ppm		2 = ± 75 ppm Min.	
C= -40°C to +85°C	3 = ± 25 ppm		3 = ± 80 ppm Min.	



Pin	Function
1	VCO Control Voltage
2	Enable (disable on logic "0")
3	Ground / Vee
4	Output
5	Output
6	Vcc

### QVS TECH INC

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