

Voltage Controlled Crystal Oscillator

SMD type VCXO 7.0×5.0mm



QVC7050 Series

ROHS Compatible

& Feature:

- . SMD type voltage controlled clock crystal oscillator units.
- . Frequency adjustable by external voltage.
- . Excellent linear frequency pullability characteristics.
- . Optional stand-by function for output: Tri-state output.
- . Supply Voltage Range: 3.3V to 5.0V
- . High stability, low jitter , low power consumption.
- . Main applications: ADSL, Set-top Box, BS.
- . Lead-free parts.

& Electrical Specifications

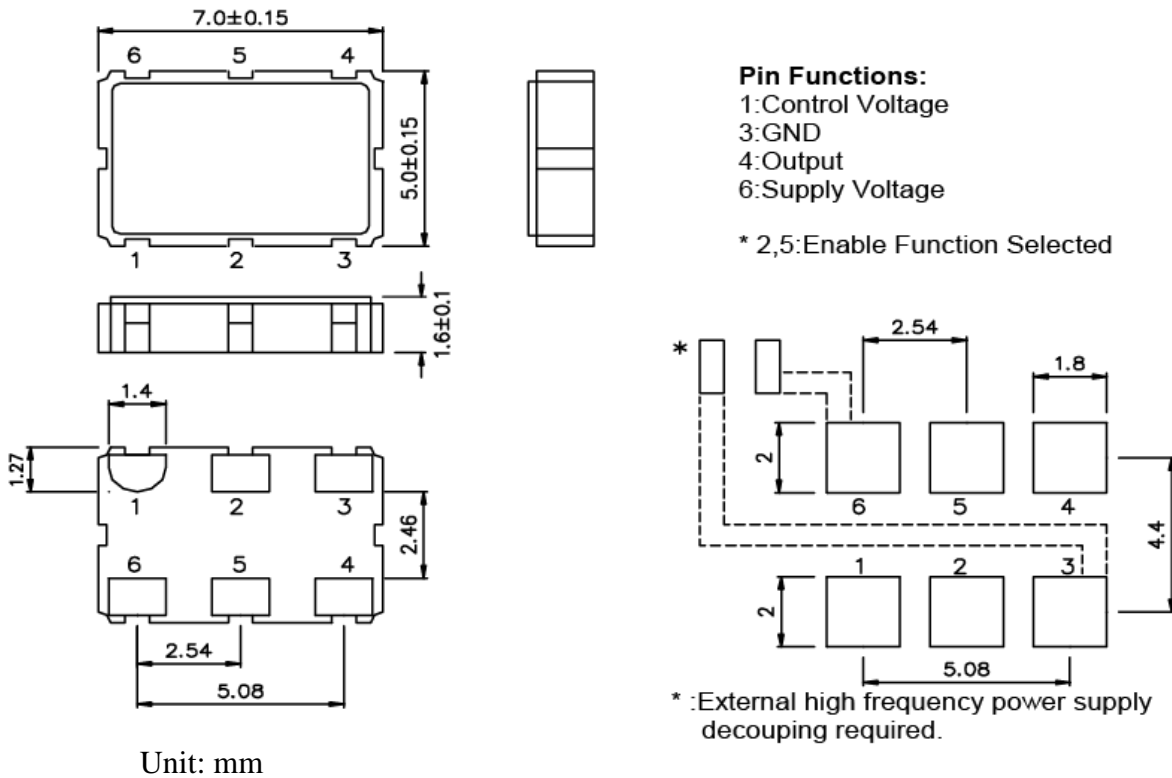
Item \ Type		QVC7050			
FanOut Type		CMOS		TTL	
Supply Voltage		5.0V±10%	3.3V±10%	5.0V±10%	
Frequency Range		1.5~77.000Hz			
Frequency Stability (25°C)		±25ppm, ±50ppm, ±100ppm			
Operating Temperature		-10 ~ 70°C, -40 ~ 85°C or specify			
Storage Temperature Range		-55 ~ +125°C			
Supply Current		≤30MHz,30 mA Max. >30MHz,30 mA Max.			
Aging (at 25°C)		±3ppm / year Maximum.			
Waveform	Output Load	15pF	50pF	15pF	30pF
	Voltage Voh (Min.)	4.5Vdc	2.97Vdc	4.5Vdc	2.97Vdc
	Voltage Vol (Max.)	0.5Vdc	0.33Vdc	0.5Vdc	0.33Vdc
	Symmetry (Duty Cycle)	40~60% Max.			
	Rise/Fall Time	5ns Max.			
	Start-up Time	10ms Max.		10ms Max.	
Frequency Control	Pull ability	±100ppm Minimum or specify			
	Voltage Control	0.5 ~ 4.5Vdc	0.3 ~ 3.0Vdc	0.5 ~ 4.5Vdc	0.3 ~ 3.0Vdc
	Monotonic Linearity	<±10%			
	Input Impedance	80K ohms Normal			
Integrated Jitter rms(12K~20M)		10ps Max.			

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& Dimension:



Part number:

QVC7050	40.000	3.3	50	X	A
Model type QVC14: Full size.14pin QVC8: Half size.8pin	Frequency 40.000: 40.000MHz	Supply voltage 5:5V 3.3: 3.3V	Frequency tolerance 50:±50ppm 25:±25ppm	Fan out type X:TTL/CMOS Y:CMOS Z: TTL	Temperature range A:0-70°C B:-20-70°C C:-40-85°C
50					
Pull ability 50:±50ppm 100:±100ppm					