

Voltage Controlled Crystal Oscillator



DIP type VCXO (Full size/half size)

QVC Series

ROHS Compatible

& Feature:

- . Hybrid IC Circuit Construction .
- . CMOS compatible output.
- . All metal, hermetically sealed welded package.
- . Supply voltage: 3.3v to 5v.

& Electrical Specifications

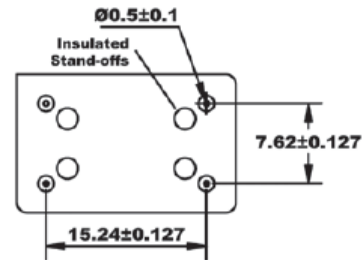
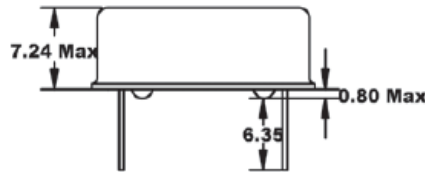
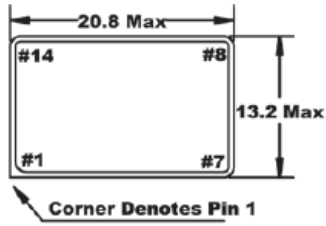
Item	Type	QVC	
FanOut Type		CMOS (HCMOS Square wave)/TTL	
Supply Voltage		5.0V±10%	3.3V±10%
Frequency Range		1~80MHz	
Frequency Stability (25°C)		±25ppm, ±50ppm	
Operating Temperature		0 ~ 70°C or specify	
Storage Temperature Range		-55 ~ +125°C	
Supply Current		60 mA Max.	40 mA Max.
Aging (at 25°C)		±3ppm / year Max.	±3ppm / year Max.
Load	Output Load	15pF	15pF
	Voltage Voh (Min.)	4.5Vdc	3.0Vdc
	Voltage Vol (Max.)	0.5Vdc	0.3Vdc
	Symmetry (Duty Cycle)	40~60% Max.	40~60% Max.
	Rise/Fall Time	10ns Max.	10ns Max.
	Start-up Time	10ms Max.	10ms Max.
Frequency Control	Pull ability	±50ppm, ±100ppm,±150ppm,±200ppm or specify	
	Voltage Control	0.5 ~ 4.5 Vdc	0.3 ~ 3.0Vdc
	Monotonic Linearity	<±15%	<±15%
	Input Impedance	50K ohms Normal	50K ohms Normal

Voltage Controlled Crystal Oscillator

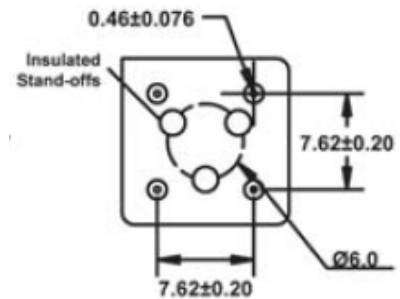
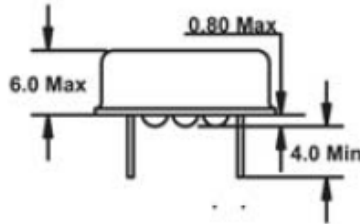
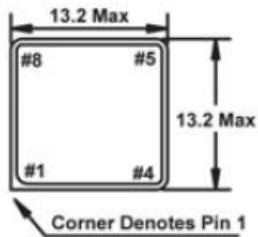


DIP type VCXO (Full size/half size)

& Dimension:



Pin Connection	
Pin 1	Control voltage
Pin 7	GND
Pin 8	Output
Pin 14	VDC.



Pin Connection	
Pin 1	Control voltage
Pin 4	GND
Pin 5	Output
Pin 8	VDC.

Part number:

QVC8	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					