

ECS-VXO-143X/VXO-83X 3.3V VCXO

ECS INC

The ECS-VXO-143X (Full Size) and ECS-VXO-83X (Half Size) 3.3V Voltage Controlled Crystal Oscillator offers a wide range of pull ranges from ±50 ppm to ±150 ppm. The ECS-VXO-83 is available with a gull wing option for surface mount applications.

Request a Sample

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS



- 3.3V supply voltage
- Wide pull range
- Gull wing option
- PbFree/RoHS Compliant

Parameters	Conditions	VXO-143X/VXO-83X			Units
		MIN	TYP	MAX	
Frequency Range		1.000		52.000	MHz
Frequency Stability *	Option A			±25	PPM
	Option B			±50	PPM
Operating Temperature		0		+70	°C
Storage Temperature		-40		+85	°C
Frequency Control Range	Option 1	±50			PPM
	Option 2	±100			PPM
	Option 3 **	±150			PPM
Input Voltage		+2.97	+3.3	+3.63	V DC
Control Voltage		+0.0	+1.65	+3.3	V DC
Input Current				20	mA
Absolute Clock Jitter				±100	pS
Symmetry	@ ½ V _{CC} Level	40/60		60/40	%
Rise and Fall Times				5	ns
Output Valtana	VOL			V _{CC} x 0.1V	V DC
Output Voltage	VOH	V _{CC} x 0.9V			V DC
Load			15		pF
Frequency Linearity				±20%	
Start-Up Time				10	ms

^{*} Inclusive of +25°C tolerance, operating temperature range, input voltage change and load change.

Part Numbering Guide: Example ECS-VXO-83X-A-2-270

^{**} Not available at all frequencies





Package Dimensions (mm)

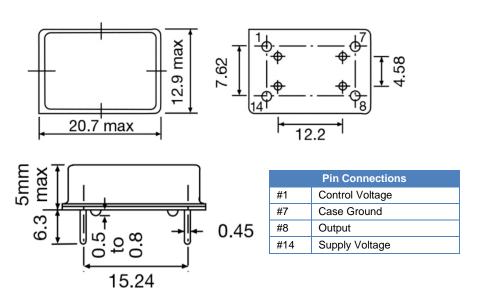


Figure 1) ECS-VC-VXO-143X Top, Side, and Bottom views

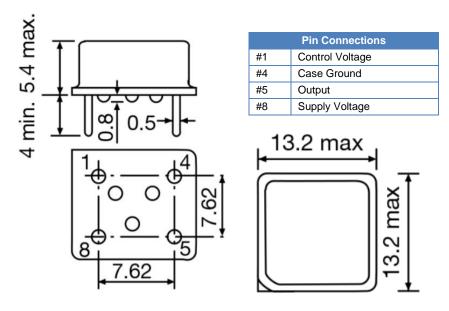


Figure 2) ECS-VC-VXO-83X Top, Side, and Bottom views