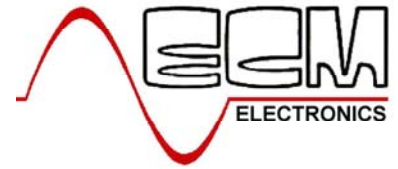


# ECM Surface Mount VCTCXO



## ECVT8120

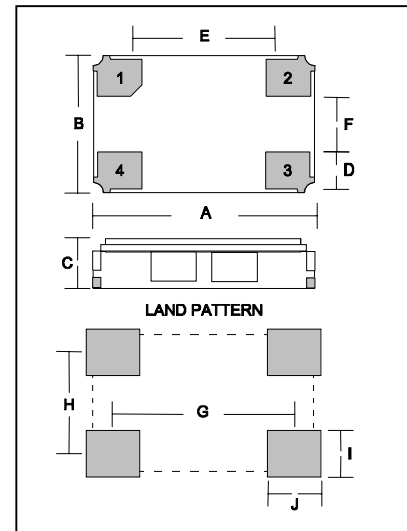
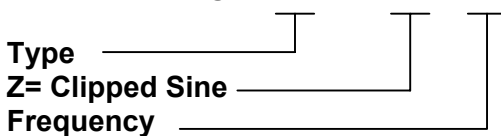
- Surface Mount 5.0 x 3.2mm
- Low Profile
- Low Current Consumption
- Excellent Stability
- 3V Supply



Parameter	ECVT8120	
Frequency Range	12.80MHz to 19.68MHz	Specify
Temperature Stability	+/-2.5ppm -30 <sup>0</sup> to +75 <sup>0</sup> C	
Stability vs Supply	+/-0.3ppm	
Supply Voltage	+3V	
Supply Current	2.0mA	
Output Level	0.8V p-p (min)	
Output Waveform	Clipped Sine Wave DC	
Output Load	10K $\Omega$ //10pF	
Pulling Range	+/-4ppm (min) Positive	
Control Voltage	+1.5V +/-1.0V DC	
Phase Noise 1kHz offset	-130dBc / Hz (max)	
Aging	+/-1ppm / yr	

Environmental & Mechanical	
Humidity	+40 <sup>0</sup> C +/-2 <sup>0</sup> C 90% RH for 200Hours
Thermal Shock	+85 <sup>0</sup> C for 30 mins -30 <sup>0</sup> C for 30 mins
Vibration	10 - 55Hz 2mm amplitude 2 hours XYZ axis
Soldering Condition	235 +/-5 <sup>0</sup> c 2 Seconds +/-0.5 S

Part Numbering **ECVT8120 Z 12.80M**



Type	A	B	C	D	E	F	G	H	I	J
All	5.0	3.2	1.5	0.8	3.71	1.4	4.0	2.5	1.5	1.8
Dimensions in mm										
Pin	1	2	3	4						
	VCONT	GND	O/P	Vcc						

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