

Op. Temp Range	-40°C to +85°C
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Storage Temp.	-55°C to +125°C
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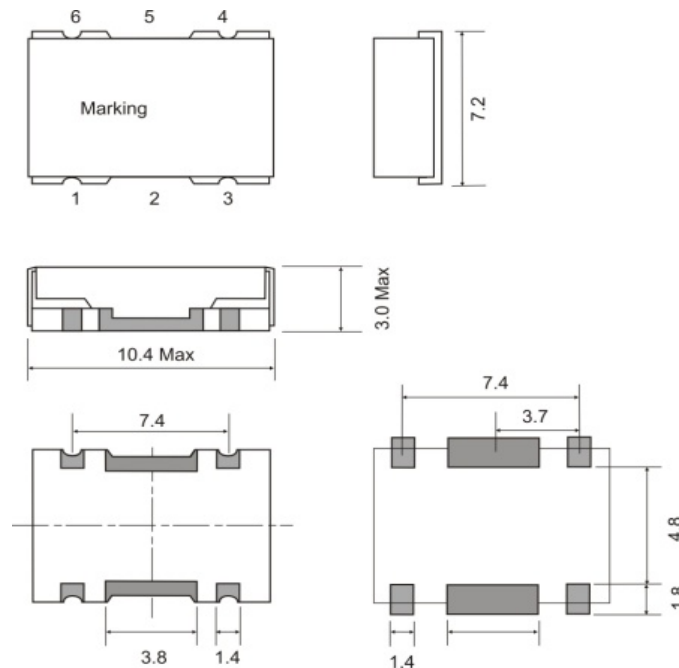
Supply Voltage	+5V DC
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### Electrical Characteristics (Ta = +25°C, V<sub>DD</sub> = 5.0V)

Parameter	Frequency (MHz)																	
	280-330			619-679			670-750			1590-1710			1800-1870			1990-2060		
	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max
Output Level (dBm)	0.0			0.0	3.0	6.0	-1.0	0.0	1.0	-3.0	0.0	3.0	0			0		
Input Current (mA)			20		16	20		15	20			20			20			20
Tuning Range (MHz/V)	2.5			5			20	30	35	24			17.5			17.5		
Tuning Voltage (Vdc)	0.5		4.5	0.1		5	0.8		4.2	0.5		4.5	0.5		4.5	0.5		4.5
C/N @ 10kHz (dBc/Hz)		-103	-98		-100	-95		-105	-95		-99	-95			-90			
C/N @ 100kHz (dBc/Hz)		-108	-102		-124	-115		-120	-115		-120	-115			-120			-95
C/N @ 1MHz (dBc/Hz)					-140	-135					-140	-130			-135			120
Pushing Value (kHz)			±500			±1000		2	3				±1500			±1500		-135
2nd Harmonic (dBc)			-15			-15		-15	-10			-25	-15			-15		-15
Load Impedance (Ω)		50			50			50			50			50			50	

The above values are typical of the frequency ranges illustrated. VCO's can also be manufactured to meet your individual specifications.

### Dimensions (mm)



Pin Connections	
Pin 1	V <sub>CONT</sub>
Pin 2	Ground
Pin 3	V <sub>DD</sub>
Pin 4	RF Out
Pin 5	Ground
Pin 6	Audio Modulation (or N.C)