

Operating

Storage

Environmental
Package Information

Pb Free ROHS I531 / I731 Series *

Surface Mount Oscillator, TCXO, TCVCXO

Ceramic Package, 5 mm x 7 mm

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Frequency	10.000 MHz to 27.000 MHz			
Output Level	Clipped Sine			
Level	0.8 V p-p Min.			
Output Load	20K Ohms / 10 pF			
Frequency Stability	See Frequency Stability Table			
Frequency Stability at +25° C	± 1 ppm (I531)			
Aging	± 1 ppm / Year Max.			
Supply Voltage	See Supply Voltage Table, tolerance ±5 %			
Current	2 mA Max.			
Control Voltage (I731)	1.5 VDC ± 1.0 VDC, ±5 ppm Min.			
Slope	Positive			
Temperature				

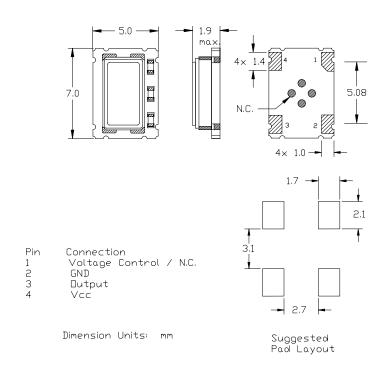
See Operating Temperature Table

-40° C to +85° C

See Appendix B for information

MSL = N.A., Termination = e4

^{*} I531 = Clipped Sine TCXO, I731 = Clipped Sine TCVCXO



Part Number Guide	Sample Pa	rt Number: I531 - 1Q3 - 20.0	000	
Package and Output	Operating Temperature	Frequency Stability vs. Temperature	Supply Voltage	Frequency
1531 - 1731 -	$7 = 0^{\circ} \text{ C to } +50^{\circ} \text{ C}$	**O = ± 1.5 ppm	3 = 3.3 VDC	- 20.000 MHz
	$1 = 0^{\circ} \text{ C to } +70^{\circ} \text{ C}$	** $P = \pm 2.0 \text{ ppm}$	7 = 3.0 VDC	
	$3 = -20^{\circ} \text{ C to } +70 \text{ C}$	$Q = \pm 2.5 \text{ ppm}$	2 = 2.7 VDC	
	$2 = -40^{\circ} \text{ C to } +85^{\circ} \text{ C}$	$R = \pm 3.0 \text{ ppm}$		
		$J = \pm 5.0 \text{ ppm}$		

NOTE: A 0.01 µF bypass capacitor is recommended between Vcc (pin 4) and Gnd (pin 2) to minimize power supply noise.

12/06

^{**} Not available at all temperature ranges.