

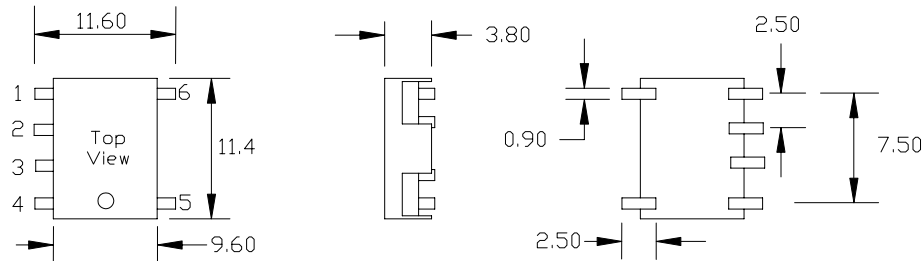


Surface Mount Oscillator, TCXO, TCVCXO
Metal Package, 9 mm x 11 mm

I525 / I526 / I725 / I726 Series *

	I526 / I726	I525 / I725
Frequency	1.000 MHz to 40.000 MHz	10.000 MHz to 40.000 MHz
Output Level	HC-MOS / TTL	Clipped Sine
Level	'0' = 0.1 Vcc Max., '1' = 0.9 Vcc Min.	1.0 V p-p Min.
Duty Cycle	50% ± 10%	
Rise / Fall Time	10 nS Max.	
Output Load	15 pF, Fo < 50 MHz = 10 TTL, Fo > 50 MHz = 5 LSTTL	20K Ohms / 10 pF
Frequency Stability	See Frequency Stability Table	
Frequency Stability at +25° C	± 1 ppm (I525 and I526)	
Aging	± 1 ppm / Year Max.	
Supply Voltage	See Supply Voltage Table, tolerance ± 5 %	
Current	50 mA Max. ***	3 mA Max.
Control Voltage (I725 / I726)	1.65 VDC ± 1.5 VDC, ± 5 ppm Min. for Vcc = 3.3 VDC, 2.5 VDC ± 2.0 VDC, ± 5 ppm Min. for Vcc = 5.0 VDC	
Slope	Positive	
Temperature		
Operating	See Operating Temperature Table	
Storage	-40° C to +85° C	
Environmental	See Appendix B for information	
Package Information	MSL = 2a, Termination = e1	

* I526 = HC-MOS TCXO, I525 = Clipped Sine TCXO, I726 = HC-MOS TCVCXO, I725 = Clipped Sine TCVCXO



Pin	Connection
1	Output
2	GND
3	N.C.
4	Vcc
5	GND
6	GND

Dimension Units: mm

Part Number Guide	Sample Part Number: I525 - 1Q3 - 20.000			
Package and Output	Operating Temperature	Frequency Stability vs. Temperature	Supply Voltage	Frequency
I525 -	7 = 0° C to +50° C	**O = ±1.5 ppm	5 = 5.0 VDC	- 20.000 MHz
I526 -	1 = 0° C to +70° C	**P = ±2.0 ppm	3 = 3.3 VDC	
I725 -	3 = -20° C to +70° C	Q = ±2.5 ppm		
I726 -	2 = -40° C to +85° C	R = ±3.0 ppm		
		J = ±5.0 ppm		

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

** Not available for all temperature ranges. *** Frequency, supply, and load related parameters.