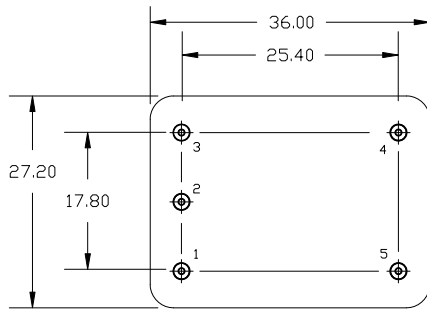




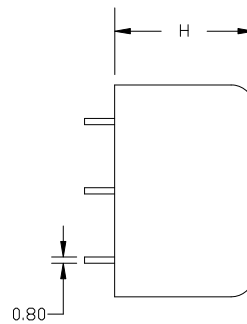
Leaded Oscillator, OCXO  
Metal Package, 27 mm X 36 mm

I405 Series

Frequency	1.000 MHz to 150.000 MHz		
Output Level	TTL	HC-MOS	Sine
Level	'0' = 0.4 VDC Max., '1' = 2.4 VDC Min.	'0' = 0.1 Vcc Max., '1' = 4.5 VDC Min.	+4 dBm, ± 3 dBm
Duty Cycle	Specify 50% ± 10% or ± 5% See Table		N.A.
Rise / Fall Time	10 nS Max. @ Fo < 16 MHz, 5 nS Max. @ Fo > 16 MHz		N.A.
Output Load	5 TTL	See Table	50 Ohms
Supply Voltage	See Supply Voltage Table		
Current (Warm Up)	500 mA @ 5 VDC, 350 mA @ 12 VDC Max.		
Current @ +25° C	250 mA @ 5 VDC, 120 mA @ 12 VDC Typ.		
Control Voltage ("V" option)	2.5 VDC ± 2.0 VDC, ±8 ppm Min. for AT cut		
Slope	Positive		
Temperature			
Operating	See Operating Temperature Table		
Storage	-40° C to +85° C		
Environmental	See Appendix B for information		
Package Information	MSL = N.A., Termination = e1		



Dimension Units: mm



H is dependent on frequency and stability, 19.5 mm Max. for any combination.

- Pin Connection
- 1 Control Voltage
- 2 N.C.
- 3 Vcc
- 4 Output
- 5 GND / Case

Part Number Guide		Sample Part Number: I405 - 5151YVA - 20.000 MHz						
Package	Input Voltage	Operating Temperature	Symmetry (Duty Cycle)	Output	Stability (in ppm)	Voltage Control	Crystal Cut	Frequency
I405 -	5 = 5.0V	7 = 0° C to +50° C	5 = 45 / 55 Max.	1 = 10TTL / 15 pF HC-MOS	Y = ±0.5	V = Controlled	A = AT	- 20.000 MHz
	9 = 12V	1 = 0° C to +70° C	6 = 40 / 60 Max.	3 = 15 pF HC-MOS	1 = ±0.25	F = Fixed	S = SC	
	3 = 3.3V	6 = -10° C to +70° C		6 = 30 pF	2 = ±0.1			
		3 = -20° C to +70° C		A = Sine	3 = ±0.05 *			
					5 = ±0.015 *			

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.