

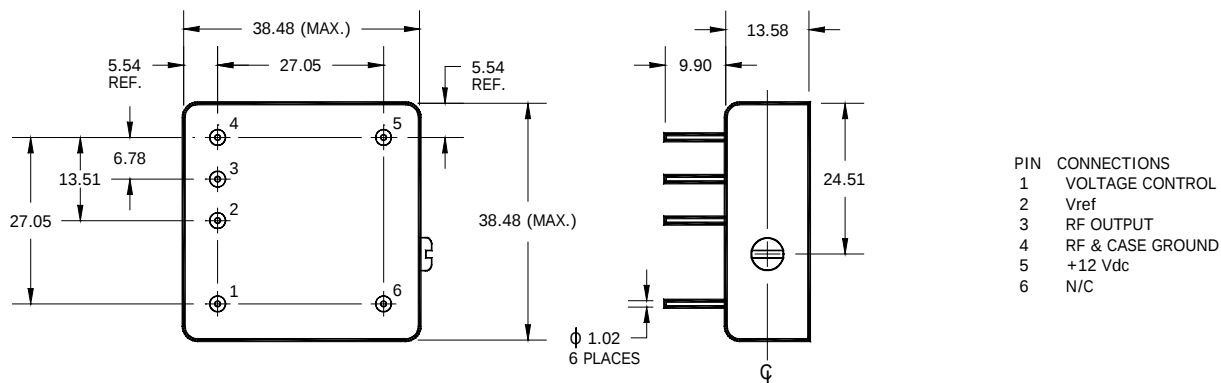
OCXO I404 Series

STANDARD SPECIFICATIONS

Frequency	2.500 to 20.000 MHz			
Cut	AT , SC			
Output	TTL/HCMOS Compatible			
Level	‘0’= 0.4 Vdc Max., ‘1’=2.4 Vdc Min.		‘0’=0.1 Vcc Max., ‘1’=0.9 Vcc Min.	
Duty Cycles	50%±5%			
Rise/Fall Time	<10 ns			
Stability				
Temperature	AT: To $\pm 1.5 \times 10^{-7} *$, SC: To $\pm 2.5 \times 10^{-8} *$			
Supply Voltage ±5%	To ±0.05ppm			
Load	To ±0.05ppm			
Aging	AT: ±0.5 ppm/year max		SC: ±0.1 ppm/year max	
Warm up	To within ±0.1ppm in 10 minutes			
	AT Cut		SC Cut	
Phase Noise	Offset	Phase Noise	Offset	Phase Noise
	10 Hz	-110dBc	10 Hz	-115dBc
	100 Hz	-135 dBc	100 Hz	-140 dBc
	1,000 Hz	-140 dBc	1,000 Hz	-150 dBc
	10,000 Hz	-150 dBc	10,000 Hz	-155 dBc
Mechanical Tuning	AT: ±2.0 ppm min., SC: ±0.75 ppm			
Voltage Control	0.0 VDC to +4.0 VDC			
Voltage Control Range	AT: ±2.0 ppm Min.		SC: ±0.5 ppm Min.	
Slope	Positive or Negative			
Power Supplies				
Supply Voltage	+12 Vdc ±10%			
Supply current max. during warm up	350 mA			
Supply current typ. @25°C SS	110 mA			
Temperature				
Operating Temperature	To -30°C ~ +70°C *			
Storage Temperature	-55°C to +85°C			

- Stability is related to operating temperature

DIMENSION UNITS: mm



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Specifications subject to change without notice