



OCXO I405 Series

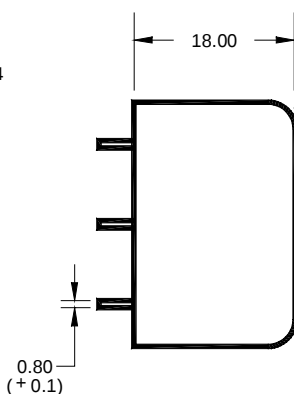
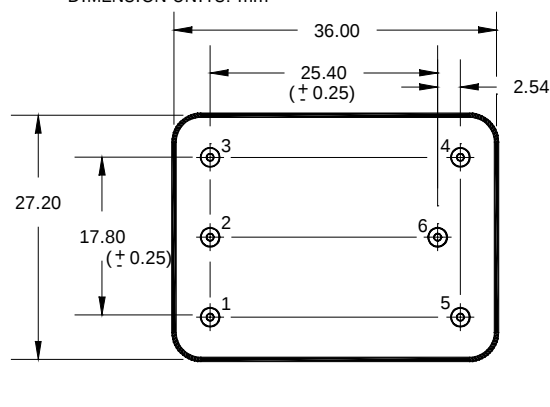
European Standard Package Sine Wave/HCMOS

STANDARD SPECIFICATIONS

Frequency	To 100.000 MHz	
Cut	SC	
Output		
Wave form	Sine wave	HCMOS
Level	7 dBm $\pm$ 3 dBm	'0' <0.4 Vdc, '1' >0.9Vcc
Duty Cycles	NA	50% $\pm$ 10%
Rise/ Fall time	NA	<10 ns
Harmonics/ Spurious	-20 dBc / -60 dBc	NA
Stability		
Temperature	To $\pm$ 0.01 ppm *	
Supply Voltage $\pm$ 5%	To $\pm$ 0.005 ppm	
Load $\pm$ 10%	To $\pm$ 0.005 ppm	
Aging 1 st year	To $\pm$ 0.03 ppm	
Warm up ref. To frequency @ 1 hr	@ 25°C $\pm$ 0.05 ppm in 5 minutes	@ -30°C $\pm$ 0.05 ppm in 10 minutes
Phase Noise Typical	Offset	Phase Noise
	10 Hz	-120dBc
	100 Hz	-140 dBc
	1000 Hz	-145 dBc
	10,000 Hz	-150 dBc
Voltage control	0 Vdc to V Ref.	
Voltage control range	$\pm$ 0.5 ppm min.	
Oven monitor (Optional)	Operating >2.5 Vdc , Fault <0.5 Vdc @ steady state	
Power Supplies		
Supply Voltage	+5 V $\pm$ 5%	+12 V $\pm$ 5%
Supply current max. during warm up	700 mA	400 mA
Supply current typical @ 25°C	400 mA **	170 mA **
Temperature		
Operating	-30°C to +75°C *	
Storage	-40°C to +125°C	

* Stability is related to operating temperature ** Related to Package height

DIMENSION UNITS: mm



UNIT TYPE	HIGHT
-D	8.89mm MAX.
-E	13.46mm MAX.
-F	19.05mm MAX.

PIN	CONNECTIONS
1	VOLTAGE CONTROL
2	Vref
3	Vcc
4	OUTPUT
5	GROUND
6	(OPTIONAL OVEN MONITOR)

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Specifications subject to change without notice