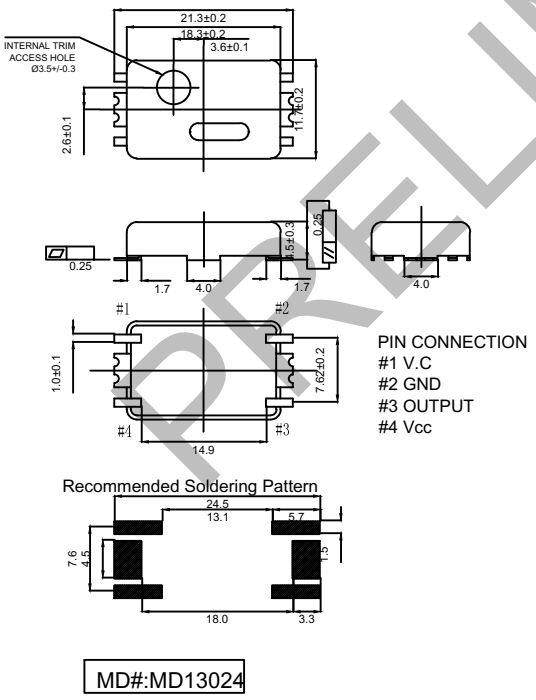
Specification

TCXO Specification	Sym.	Condition	Value			Unit	Note
			Min	Type	Max		
Normal Frequency Range	fo		6		190	MHz	
RF output							
Wave form				Sinewave			
Level	L	3.3V		0		dBm	
		5.0V		10		dBm	
Load	RL			50		Ohm	
Frequency control							
Frequency Adjustment	Vc	By internal trimmer	±3			ppm	
Power supply							
Voltage	Vcc		3.135	3.3	3.465	V	5.0V option available
Current consumption	Icc	6.0MHz			12	mA	
		190.0MHz			30	mA	
Frequency stability							
Vs. temperature				±0.5 to ± 5.0		ppm	
Vs. supply voltage		Vdd ±5% change			±0.1/ ±0.2	ppm	
Vs. load		15p±10% change			±0.2	ppm	
SSB Phase Noise (20MHz offset)		@10Hz		-80		dBc/Hz	
		@100Hz		-120			
		@1KHz		-135			
		@10KHz		-140			
		@100KHz		-145			
Aging Per year					±1	ppm	
Environmental, mechanical conditions.							
Operation temperature range	See Table						
Storage temperature range	-55℃ to 125℃						
Shock	MIL-STD-883C, Method 2002, Condition B						
Vibration	MIL-STD-883C, Method 2007, Condition A						
Solderability	MIL-STD-883C, Method 2003						
Seal integrity	MIL-STD-883C, Method 1014, Condition C & A2						
Marking	MIL-STD-202F, Method 215						

Table			
Symbol	Temp.	Symbol	Temp.
0	0℃	A	50℃
1	-10℃	B	60℃
2	-20℃	C	70℃
3	-30℃	D	75℃
4	-40℃	E	80℃
		F	85℃

Mechanical Drawing and PIN Connection



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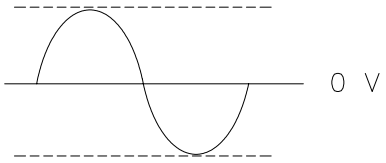
Output Waveform



Test Circuit