

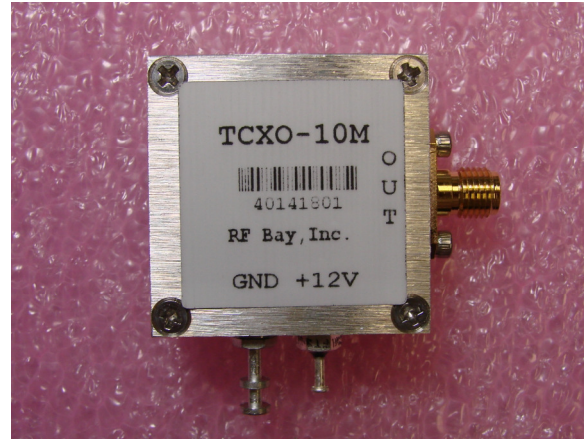
## TCXO Series

## 10MHz TCXO OSCILLATOR

### Features

- Frequency: 10MHz
- Temp Stability:  $\pm 2.5$ ppm
- Output: CMOS
- Phase Noise: -145dBc/Hz @ 10KHz offset
- Power Supply: +12V
- Temperature: -30 °C to +75 °C
- SMA Female Connector

### Picture



### Description

TCXO-10M is a Temperature Compensated Crystal Oscillator (TCXO) module output frequency at 10MHz.

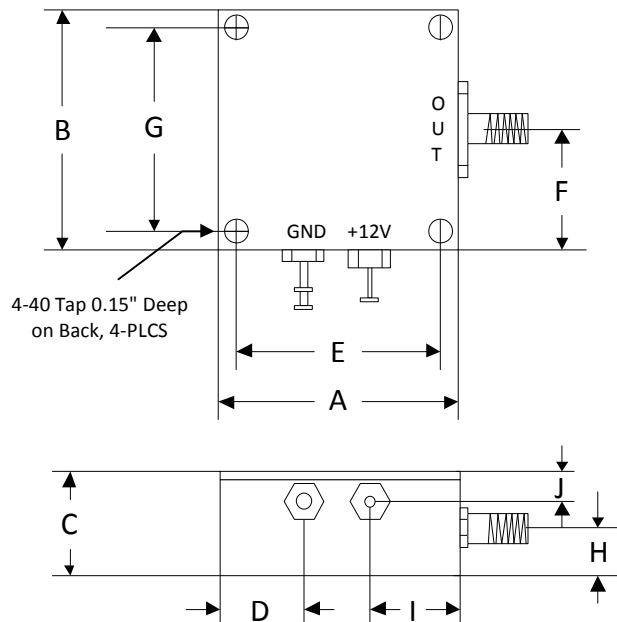
### Electrical Specifications @ +25 °C, $V_{dc}=+12V$

Parameter	Unit	Minimum	Typical	Maximum
Frequency	MHz		10	
Phase Noise	dBc/Hz		-80dBc@10Hz	
	dBc/Hz		-125dBc@100Hz	
	dBc/Hz		-145dBc@1KHz	
	dBc/Hz		-145dBc@10KHz	
	dBc/Hz		-150dBc@100KHz	
Temperature Stability			$\pm 2.5$ ppm	
Aging			$\pm 1$ ppm max per year	
Output Format			CMOS	
HIGH Level Output Voltage	V	4.9		
LOW Level Output Voltage	V			0.1
Output Voltage Swing	Vp-p	4.8	5.0	
Start-Up Time	mS		10	
Supply Voltage	V	+9	+12	+15
Supply Current	mA		10	
Operating Temp Range	°C	-30		+75

### Absolute Maximum Ratings

Parameter	Absolute Maximum
Power Supply Voltage	+16V
Operating Temperature	-30 °C to +75 °C
Storage Temperature	-55 °C to +100 °C

### Outline



	A	B	C	D	E	F	G	H	I	J
<b>Inch</b>	1.250	1.250	0.563	0.450	1.000	0.625	1.000	0.250	0.500	0.187
<b>mm</b>	31.75	31.75	14.29	11.43	25.40	15.88	25.40	6.35	12.70	4.76