



INFICON EDC Inc. *Quality Quartz Crystals and Oscillators*

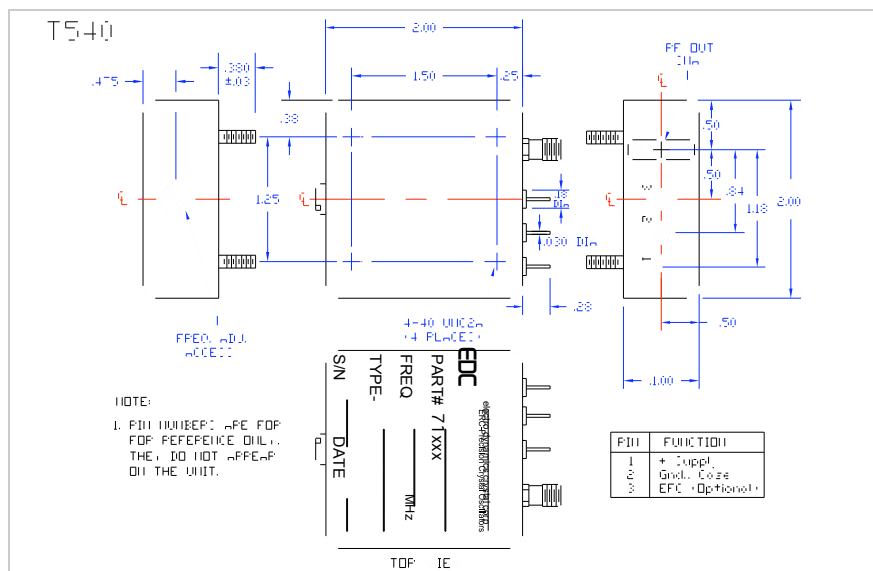
**EO 15**  
Series  
**OCXO**  
Thru-Hole Oscillators

Features: 2.0 x 2.0 x 1.0" Size, High Frequency, Excellent Phase Noise

PARAMETERS	EO151	EO152
Package Part#	T540	
Frequency Range (MHz)	25 ~ 75	50 ~150
Frequency Stability vs Temperature ( $\pm$ ppb)	20	
vs Supply Voltage	2	
vs Daily Aging	5	
Phase Noise (10 MHz) @ Offset 10 Hz (dBc/Hz)	-95 Maximum	-85 Maximum
100 Hz	-120 Maximum	-110 Maximum
1,000 Hz	-150 Maximum	-140 Maximum
10,000 Hz	-160 Maximum	-150 Maximum
Warm-up @ +25° C to within $\pm$ 0.1 ppm (minutes)	10 Maximum	
Operating Temp. Range (°C)	0 ~ 50	
Input Supply Voltage (V)	+12 $\pm$ 5%	
Turn-on Power (W)	6.0 Maximum	
Sustaining Power @ 25° C	2.5 Maximum	
Output	Sine, +7dBm Minimum, 50 $\Omega$	
Frequency Adjust Mechanical ( $\pm$ ppm)	3.0 Minimum	

**STANDARD AVAILABLE OPTIONS**

- Temperature Ranges as large as -40°C ~ +70° C
- Frequency vs Temperature Stabilities as low as  $\pm$ 10 ppb
- Daily Aging as low as 2 ppb
- Input Supply Voltage +12V  $\pm$ 10%, +15V  $\pm$ 5%, +15V  $\pm$ 10%
- Output +10 dBm Minimum
- Electrical Frequency Adjust  $\pm$ 3.0 ppm Minimum 0 ~ 10 VDC positive slope
- Note: Not all combinations are possible.



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