



INFICON EDC Inc. *Quality Quartz Crystals and Oscillators*

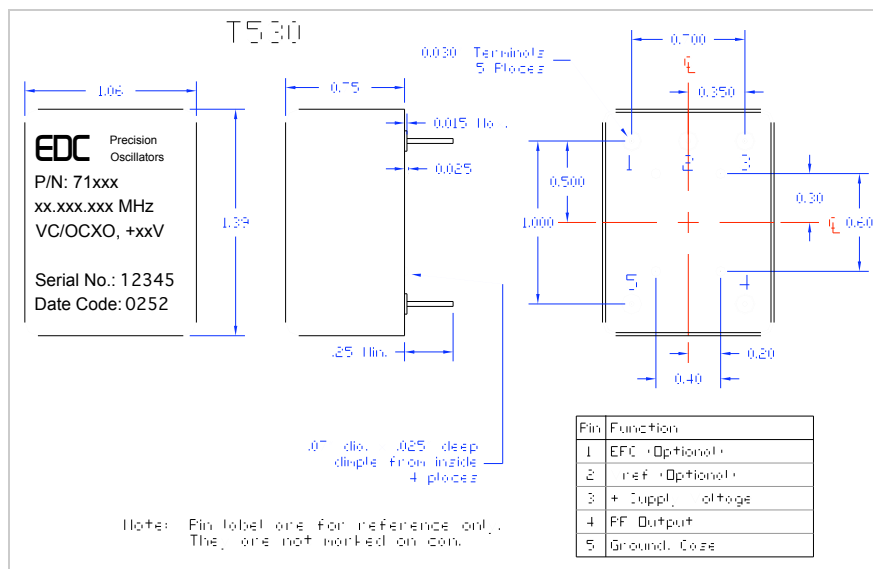
**EO 14**  
Series  
**OCXO**  
Thru-Hole Oscillators

**Features:** CO-8 Size, Good Frequency Stability, Low Phase Noise

PARAMETERS	EO141
Package Part#	T530
Frequency Range (MHz)	5 ~ 40
Frequency Stability vs Temperature ( $\pm$ ppb)	5
vs Supply Voltage	1
vs Daily Aging	1
Phase Noise (10 MHz) @ Offset 10 Hz (dBc/Hz)	-115 Maximum
100 Hz	-140 Maximum
1,000 Hz	-150 Maximum
10,000 Hz	-155 Maximum
Warm-up @ +25° C to within $\pm$ 0.1 ppm (minutes)	5 Maximum
Operating Temp. Range (°C)	0 ~ 50
Input Supply Voltage (V)	+5 $\pm$ 5%
Turn-on Power (W)	5.0 Maximum
Sustaining Power @ 25° C	1.5 Maximum
Output	Sine, +7dBm Minimum, 50 $\Omega$
Frequency Adjust Electrical ( $\pm$ ppm)	0.5 Minimum, 0 ~ 4.1 VDC, positive slope

**STANDARD AVAILABLE OPTIONS**

- Temperature Ranges as large as -40°C ~ +75° C
- Frequency vs Temperature Stabilities as low as  $\pm$ 3 ppb
- Daily Aging as low as 0.5 ppb
- Input Supply Voltage +12V  $\pm$ 5%, +12V  $\pm$ 10%, +15V  $\pm$ 5%
- Output +10 dBm Minimum, HCMOS
- Electrical Frequency Adjust Optional negative slope, Optional 4.1V reference voltage output
- Note: Not all combinations are possible.



INFICON EDC Inc. • (800) EDC-XTAL • www.inficonedc.com

This drawing & information are the property of INFICON EDC Inc. and shall not be reproduced, copied or used in any manner without the sole permission of INFICON EDC Inc. All specification subject to change. Please contact factory for current specifications (Rev. 05/08)