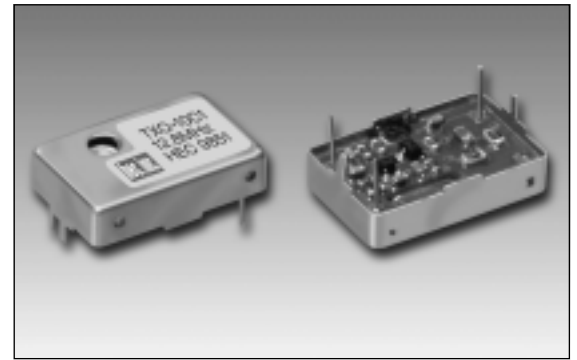


HE-TXO-10C1 TEMPERATURE COMPENSATED OSCILLATOR

hec, inc.

The HE-TXO-10C1 is a TCXO (Temperature Compensated Crystal Oscillator) featuring a very tight stability over a wide temperature range. The internal trimmer is a standard feature to the HE-TXO-10C1 to ensure that the device is tuned precisely on to the frequency required. With a maximum height of only 4.7mm, this low profile, standard DIL 14 pin pitch is ideal for many applications such as wireless communications equipment.



FEATURES:

- Only 4.7mm height max.
- Highly stable output over a wide temperature range
- Industry standard DIL 14 lead spacing

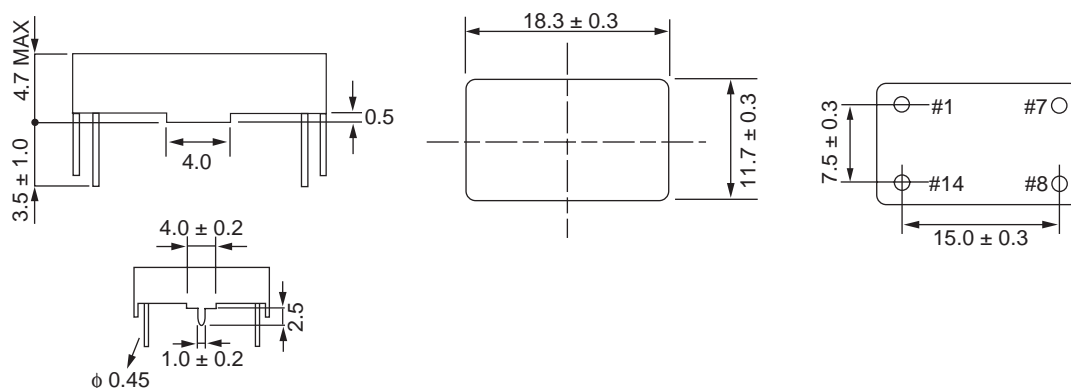
OPTIONS:

- 3 V Operation
- 2 TTL/CMOS 15pF Load
- Voltage Control Function

ELECTRICAL SPECIFICATIONS

PARAMETERS	CONDITIONS	SPECIFICATIONS				UNIT
		HE-TXO-10C1	HE-TXO-10D1	HE-VTXO-10C1	HE-VTXO-10D1	
TYPE		HE-TXO-10C1	HE-TXO-10D1	HE-VTXO-10C1	HE-VTXO-10D1	
FREQUENCY RANGE		9.600~26.000		9.600 ~ 26.000		MHz
OPERATING TEMP. RANGE		-30°C ~ +75°C (-40°C ~ +85°C option)				°C
STORAGE TEMP. RANGE		-40°C ~ +85°C (-55°C ~ +105°C option)				°C
FREQUENCY TOLERANCE	@ 25°C	± 0.5		± 0.5		PPM
FREQUENCY STABILITY	-30+75°C / -40+85°C	±2.5		±2.5		PPM
SUPPLY VOLTAGE		5.0 ± 0.5V DC (+5±5%)		5.0 ± 0.5V DC (+5±5%)		V
SUPPLY CURRENT		2.0 Max.		2.0 Max.		mA
CONTROL VOLTAGE	HE-VTXO-10C1 - D1	+2.5V ± 2V DC				VDC
OUTPUT LEVEL		1 Vp-p min.	HCMOS/TTL	1 Vp-p min.	HCMOS/TTL	
OUTPUT LOAD		10K Ω 10 pF	2 TTL 15pF (CMOS)	10K Ω 10 pF	2 TTL 15pF (CMOS)	
AGING	Per Year @ 25°C	± 1.0		± 1.0		PPM
FREQUENCY ADJUSTMENT	Internal Trimmer	± 3.0 Min.		± 3.0 Min.		PPM
VOLTAGE CONTROL RANGE	@ 2.5V ± 2.0V	N/A		± 8.0 Min.		PPM

MECHANICAL DRAWING



Pin Connections:
 #1: N.C. or Vcont
 #7: GND or Case
 #8: Output
 #14: Vcc

Unit: mm