

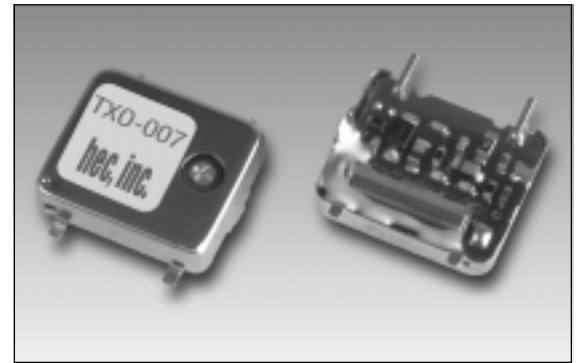
HE-TXO-007 SURFACE MOUNT TEMPERATURE COMPENSATED OSC.



The HE-TXO-007 features tight stability over a wide temperature range and an internal trimmer as a standard feature, therefore tuning the TCXO precisely onto the frequency required. This device is ideal for applications such as wireless communications equipment due to its low profile packaging (only 4.5mm height max) and standard pitch.

FEATURES:

- 4.5mm height max. and total volume only 0.40CC
- Industry standard footprint layout
- Highly stable output over a wide temperature range



OPTIONS:

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

ELECTRICAL SPECIFICATIONS

PARAMETERS	CONDITIONS	SPECIFICATIONS				UNIT
		HE-TXO-007	HE-TXO-007S	HE-VTXO-007	HE-VTXO-007S	
TYPE		HE-TXO-007	HE-TXO-007S	HE-VTXO-007	HE-VTXO-007S	
FREQUENCY RANGE		9.600~45.00		9.600~45.00		MHz
FREQUENCY TOLERANCE	@ 25°C	± 0.5		± 0.5		PPM
FREQUENCY STABILITY	-30°C to +75°C	± 2.5		± 2.5		PPM
OPERATING TEMP. RANGE		-30°C to +75°C		-30°C to +75°C		°C
STORAGE TEMP. RANGE		-40°C to +85°C		-40°C to +85°C		°C
SUPPLY VOLTAGE		5.0 ± 0.5V DC / +5 + 5%		5.0 ± 0.5V DC / +5 + 5%		V
SUPPLY CURRENT		2.0 MAX	25 TYP	2.0 MAX	25 TYP	mA
OUTPUT LEVEL		1 Vp-p MIN	HCMOS/TTL	1 Vp-p MIN	HCMOS/TTL	
OUTPUT LOAD		10K OHM 10pF	2TTL 15pF (CMOS)	10K OHM 10pF	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		
CONTROL VOLTAGE		+2.5V ± 2.0V DC		+2.5V ± 2.0V DC		

MECHANICAL DRAWING

