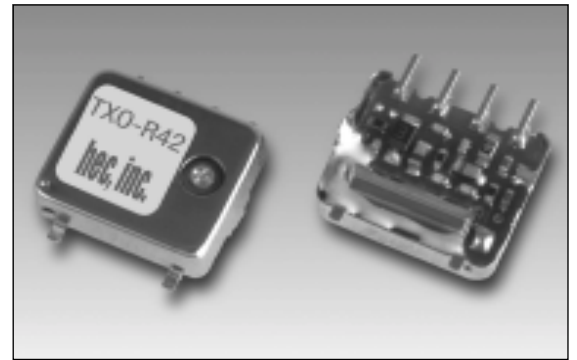


HE-TXO-R42 SURFACE MOUNT TEMPERATURE COMPENSATED OSC.



The HE-TXO-R42 is our surface mount temperature compensated crystal oscillator featuring a very tight stability over a wide temperature range. With an internal trimmer assuring tuning of the TCXO precisely on the frequency required, the low profile package only 3.8mm high, and a standard pitch, this product is ideal for applications such as wireless communications equipment.



FEATURES:

- Highly stable output over wide temperature range
- 3.8mm height and 0.40CC total volume
- Industry standard footprint layout
- Ability to withstand re-flow soldering
- 3 V Operation optional
- 2 TTL/CMOS 15pF Load optional
- Voltage Control function optional

ELECTRICAL SPECIFICATIONS

PARAMETERS	CONDITIONS	SPECIFICATIONS				UNIT
		HE-TXO-R42	HE-TXO-R45	HE-VTXO-R42	HE-VTXO-R45	
HEC PART NUMBER						
FREQUENCY RANGE		9.600 - 26.000		9.600 - 26.000		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				°C
STORAGE TEMP. RANGE		-40°C to +85°C				°C
SUPPLY VOLTAGE		5.0±0.5V DC / +5±5% 3.3 Volt Available: HE-TXO-R42V / HE-TXO-R45V				V
CONTROL VOLTAGE (VTXO)		+2.5V±2V DC				V DC
SUPPLY CURRENT		2.0 Max.		2.0 Max.		mA
OUTPUT LEVEL		1 Vp-p Min. (Clipped sine)	HCMOS / TTL	1 Vp-p Min. (Clipped sine)	HCMOS / TTL	
OUTPUT LOAD		10K Ω 10pF	2TTL 15pF(CMOS)	10K Ω 10pF	2TTL 15pF(CMOS)	
AGING	Per yr @ 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

