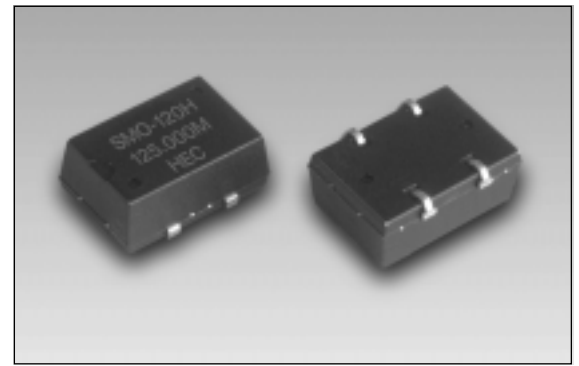


HE-SMO-120H / 130H HIGH FREQUENCY J-LEADED OSCILLATOR



The HE-SMO-120H/130H is a high frequency (70 MHz to 125 MHz) plastic molded surface mount oscillator with industry standard J-leaded pin spacing. Encased in a rugged thermoplastic package, this oscillator is capable of withstanding high temperature re-flow soldering processes while providing long-term outstanding performance and reliability.



FEATURES:

- Industry standard J-leaded footprint
- Optional 3.3 low voltage operation
- Optional extended temperature (-40+85°C) available
- Available on tape and reel (1,000 PC per reel)

ELECTRICAL SPECIFICATIONS

PARAMETERS	CONDITIONS	SPECIFICATIONS				UNIT
		HE-SMO-120H	HE-SMO-120HN	HE-SMO-130H	HE-SMO-130HN	
HEC PART NUMBER		HE-SMO-120H	HE-SMO-120HN	HE-SMO-130H	HE-SMO-130HN	
FREQUENCY RANGE	All	70.000 to 125.000				MHz
OPERATING TEMP.	All	0 to +70 / -40 to +85 Optional (-EXT designation)				°C
STORAGE TEMP.	All	-50 to +125				°C
FREQ. STABILITY	All	± 25 (-A indication), ± 50 (-B indication), ± 100 (-C indication) Other (-S)				PPM
SUPPLY VOLTAGE	All	5.0 ± 0.5		3.3 ± 0.3		V
OUTPUT LOAD	All	15 max.				pF
RISE & FALL TIME	HCMOS (15 pF max.)	3 max.				nsec.
OUTPUT VOLTAGE	V_{OH} V_{OL}	$V_{DD} - 0.4$ max. 0.4V max.				V
CURRENT CONSUMPTION	70 - 125 MHz	65 max.		30 max.		mA
OUTPUT SYMMETRY	70 - 125 MHz	40 : 60				%
ENABLE / DISABLE (TRISTATE OUTPUT)	70 - 125 MHz	#1 Open - #3 Active #1 > 2.0V - #3 Active #1 < 0.8V - #3 High Z	N/A	#1 Open - #3 Active #1 > 0.8V - #3 Active #1 < 0.2V - #3 High Z	N/A	

MECHANICAL DRAWING

