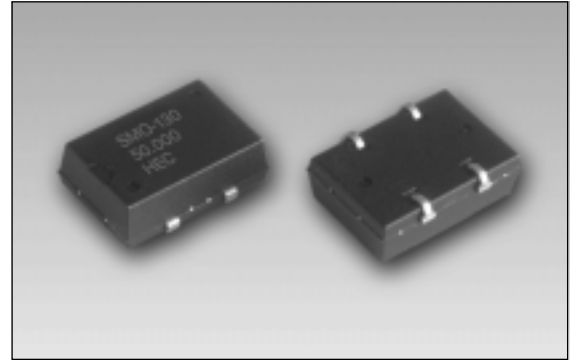


HE-SMO-130 J-LEADED SURFACE MOUNT OSCILLATOR, 3.3V



The HE-SMO-130 is the industry standard plastic molded SMD oscillator with J-Leads, featuring low voltage operation at 3.3 Volts. This thermoplastic packaging allows this oscillator to withstand high temperature re-flow soldering processes while providing long term outstanding performance and reliability. Frequencies up to 125 MHz also available (see specification on page 28).



FEATURES:

- 3.3V Low Voltage Operation (1 MHz - 70 MHz)
- Industry standard J-Leaded footprint
- Optional ext. temp. range -40+85 °C (selected frequencies)
- Tape and reel (1,000 PC per reel)

ELECTRICAL SPECIFICATIONS

PARAMETERS	CONDITIONS	SPECIFICATIONS		UNIT
		HE-SMO-130	HE-SMO-130N	
HEC PART NUMBER				
FREQUENCY RANGE	All	1.000 to 70.000		MHz
OPERATING TEMP.	All	0°C to +70°C / -40°C to +85°C (-EXT designation)		° C
STORAGE TEMP.	All	-50°C to +125°C		° C
SUPPLY VOLTAGE	All	3.3 ± 0.3 volt DC		VDC
FREQ. STABILITY	All	±25 (-A indication), ±50 (-B indication), ±100 (-C indication), OTHER (-S)		PPM
OUTPUT LOAD	All	15 max.		pF
RISE & FALL TIME	HCMOS (15 pF max.)	5 max.		nsec.
OUTPUT VOLTAGE	V_{OH} V_{OL}	V_{DD} - 0.4 max. 0.4V max.		V
CURRENT CONSUMPTION	1.00 - 26.9 MHz 27.0 - 49.9 MHz 50.0 to 70.0 MHz	10 max. 20 max. 25 max.		mA
OUTPUT SYMMETRY	1.00 - 70.0 MHz	40:60		%
ENABLE / DISABLE (TRISTATE OUTPUT)	1.00 - 70.0 MHz	#1 Open - #3 Active #1 > 0.8V - #3 Active #1 < 0.2V - #3 High Z	NA	

MECHANICAL DRAWING

