

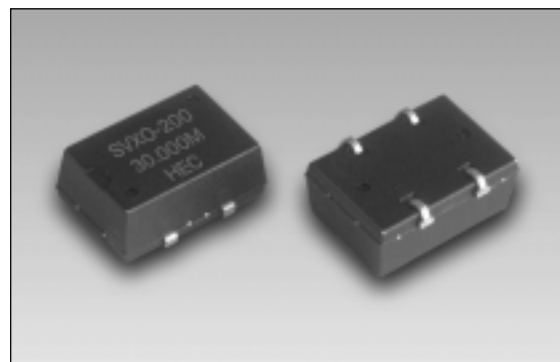
HE-SVXO-200 SURFACE MOUNT VOLTAGE CONTROLLED OSCILLATOR



The HE-SVXO-200 series offers the VCXO type oscillator with a wide frequency coverage and tight tolerances. This product features a very wide VCXO range (as wide as ± 100 PPM), and is ideal for applications such as communications equipment, video data compression technology, or PLL. The durable thermoplastic package with J-led configuration is built to withstand vapor phase or IR soldering reflow process while also meeting surface mount product requirements.

FEATURES:

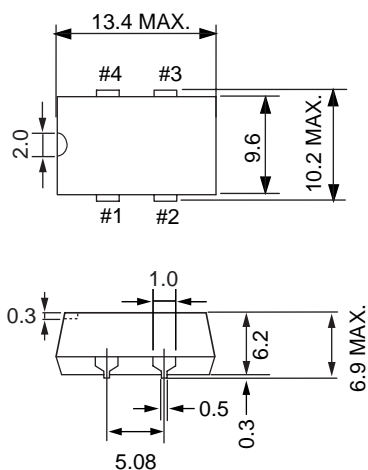
- Wide frequency control range
- Wave form symmetry of 40:60%
- HCMOS or TTL output
- Optional extended temperature range (-40+85°C) and 3.3 Volt
- Available on tape and reel



ELECTRICAL SPECIFICATIONS

PARAMETERS	CONDITIONS	200A	200B	200C	UNIT
FREQUENCY RANGE		8.00 to 30.000 MHz			MHz
OPERATING TEMP. RANGE		0 to +70 °C			°C
STORAGE TEMP. RANGE		-50 to +125 °C			°C
SUPPLY VOLTAGE		5V \pm 5% / 3.3V \pm 5% Optional			VDC
CONTROL VOLTAGE		+2.5V \pm 2V / +1.65V \pm 1.5V			VDC
VCXO RANGE		\pm 50 (1), \pm 80 (2), \pm 100 (3)			PPM
INPUT CURRENT		30 max.			mA
OUTPUT LOAD	TTL TYPE CMOS TYPE	2 TRUE TTL GATE 15pF			
FREQUENCY STABILITY		\pm 25	\pm 50	\pm 100	PPM
INPUT RESISTANCE	@ DC LEVEL	10 MIN.			M Ω (OHMS)
DUTY CYCLE	1/2 V _{DD} LEVEL	40 : 60			%
OUTPUT VOLTAGE V _{OH}	I _{OH} = -0.8 mA	V _{DD} -4.0 MIN.			VDC
OUTPUT VOLTAGE V _{OL}	I _{OL} = 1.6mA	0.4 MAX.			VDC
RISE AND FALL TIME	@ CMOS LOAD	8 MAX.			nsec
RISE AND FALL TIME	@ TTL LOAD	5 MAX.			nsec
START UP TIME		4 MAX.			msec

MECHANICAL DRAWING



Pin Connections

- #1) V. Cont
- #2) GND
- #3) Output
- #4) Vcc

Recommended Solder Pad Layout

