

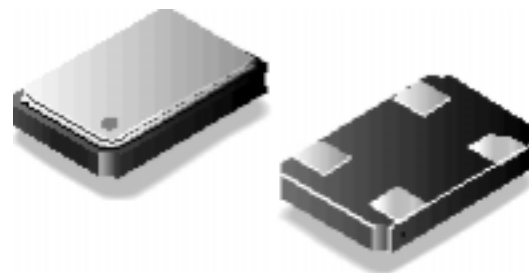
HE-SMO-535 / HE-SMO-335 MINIATURE SMD OSCILLATOR



The HE-SMO-535 (5V) and HE-SMO-335 (3.3V) is the ceramic base surface mount crystal clock oscillator encased in the compact package only 5.0 x 3.2 x 1.0mm. With the industry standard pin-out spacing and tristate as a standard function, these oscillators are ideal for any space limited application.

FEATURES:

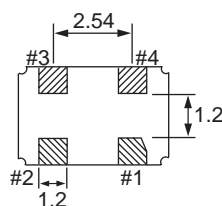
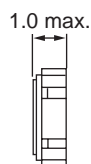
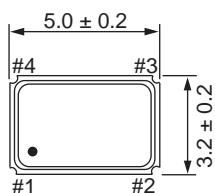
- Miniature package only 5.0 x 3.2 x 1.0(H) mm
- Tristate Enable / Disable Function
- Industry Standard pin-out spacing
- Available in 3.3V or 5V
- Tape and Reel Packaging (1,000 PC per reel standard)



ELECTRICAL SPECIFICATIONS

PARAMETERS	CONDITIONS	SPECIFICATIONS		UNIT
		HE-SMO-535	HE-SMO-335	
PART NUMBER		HE-SMO-535	HE-SMO-335	
FREQUENCY RANGE		2.500 - 40.00		MHz
OPERATING TEMPERATURE		-10 °C to +70 °C		°C
SUPPLY VOLTAGE		+5.0V ± 10%	+3.3V ± 10%	V
FREQUENCY STABILITY	All Conditions	±100 MAX (-C Designation)		PPM
OUTPUT SYMMETRY		45% min. 55% max.		
DRIVING ABILITY	HCMOS Load	15 max.		pF
RISE & FALL TIMES	10% VDD	7 Max.	5 Max.	nS
OUTPUT VOLTAGE	VOL VOH	10 of VDD 90 of VDD		%
START-UP TIME		1.5 - 32.0 MHz: 5ms max. 32.0 MHz and over: 10 ms max.		
E/D FUNCTION		#1 Open - #3 Active #1 > 1.9V - #3 Active #1 < 0.8V - #3 High Z	#1 Open - #3 Active #1 > 1.2 - #3 Active #1 < 0.7V - #3 High Z	
CURRENT DRAIN	Terminal 1 = Open	16 Max.		mA
OUTPUT CURRENT	"0" Level Min. "1" Level Min.	4 4		mA

MECHANICAL DRAWING



Pin Connections:
 #1: E/D
 #2: GND
 #3: Output
 #4: VDD
 Unit: mm

Recommended Solder Pad Layout

