

### Features and Benefits

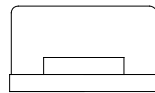
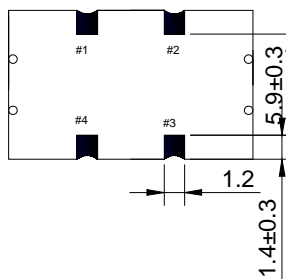
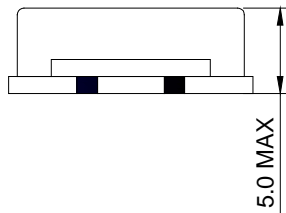
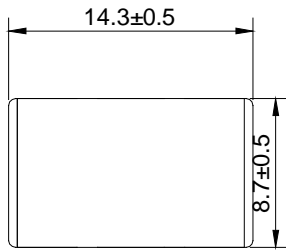
Better than +/-2.5PPM from -40°C to +80°C  
 60MHz clipped sine wave output  
 3.3V supply, 30mA maximum current

### Typical Applications

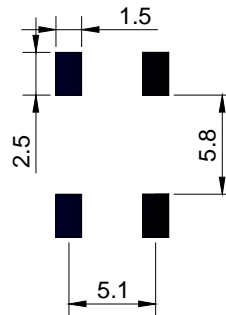
Communication equipments

### Mechanical Drawing & Pin Connections

Drawing No: MD150065-1



#### Recommended Soldering Pattern



## Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Nominal Frequency (Fo)	F <sub>nom</sub>			60		MHz	
Output level			HCMOS				
Output Load				15		pF	
Output Tr/Tf					5	ns	
Duty cycle				45/55%			
<b>Power Supply</b>							
Supply Voltage	V <sub>cc</sub>		3.25	3.3	3.35	Vdc	
Input Current					30	mA	
<b>Frequency Control*</b>							
Control Voltage	V <sub>c</sub>		0	1.65	3.3	V	
Pulling Range			+/-5			ppm	
<b>Frequency Stability</b>							
Frequency stability		From -40°C to +80°C			+/-2.5	ppm	
Aging					+/-1.0	Ppm/year	
Phase Noise				-146		dBc/Hz	
<b>Environmental Conditions</b>							
<b>Parameter</b>	<b>Reference Std.</b>		<b>Test Condition</b>				
Holder type & Case	PC145A-3H254E5						
Dimension	See DRAWING						
Operating temperature range			-40°C to +80°C				
Storage temperature range			-45°C to +90°C				