

SMD True Sine wave 6 pads 11.4 x 9.6 x 2.5 mm



RoHS Compliance

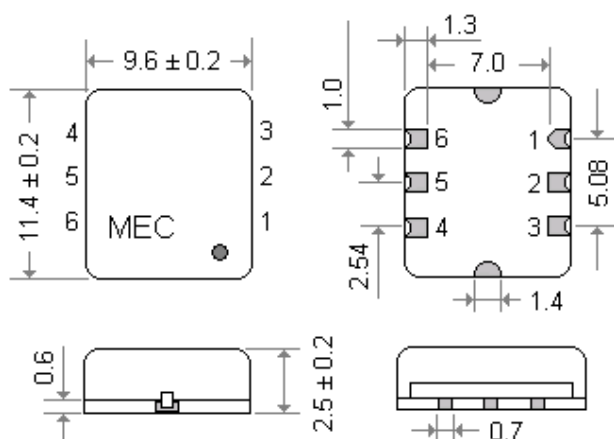
Applications :

- High purity and low total harmonic distortion. Ideal for audio applications

General Specifications

Parameters		Electrical Spec.							
Input Voltage (V_{DD})		3.3 V $\pm$ 5 %							
Frequency Range		10.0 ~ 30.0 MHz							
Output Wave Form		True Sine wave output							
Output Level		1.0 V p-p (typical)							
Frequency Deviation Range		Standard : $\pm$ 80 ppm (min.)							
Initial Freq. Accuracy (at 25 °C)		To tune to the nomial frequency with $V_c = 1.65V \pm 0.2V$							
Control Voltage Center / Control Voltage Range		1.65 VDC / 0.3V to 3.0V							
Load		10 K Ω // 10 pF load							
Harmonics		< - 25dBc (frequency dependent)							
Current Consumption (typical)		1.1 mA							
Input Impedance		> 0.5 M Ω							
Modulation Bandwidth (at -3 dB)		25 KHz (min.)							
Voltage Control Range		0.0 V to V_{DD} with control voltage center at 50% of V_{DD}							
Start - Up Time (Ts)		2.0 m Sec.(typ.)							
Linearity		$\pm$ 10 % (max.)							
Storage Temperature		- 50°C to 100°C							
Aging		$\pm$ 3 ppm per year (max.)							
Frequency Stability ⁽¹⁾ Codes	Frequency Stability over Operating Temperature Range	$\pm$ 25 ppm	$\pm$ 50 ppm	$\pm$ 100 ppm	If non-standard , please enter the desired stability after the " C " or " I " For example : " C20 " $\pm$ 20 ppm over -10°C to +70°C ; " I20 " $\pm$ 20 ppm over -40°C to +85°C				
	Commercial (-10°C to +70°C)	A	B	C					
	Industrial (-40°C to +85°C)	D	E	F					
Phase Noise (typical) [13.0 MHz at 3.3V]		Offset	10 Hz	100 Hz	1K Hz	10 KHz	100KHz	1 MHz	10 MHz
		dBc / Hz	-90	-123	-135	-140	-145	-147	-150

Outline Dimensions (Unit : mm)



Pad Connections			
1	Voltage Control	4	Output
2	No Connection	5	No Connection
3	Ground	6	Supply Voltage