



General Electronic Devices

Makers of active and passive components
 Quartz Crystal * Oscillators * Synthesizer * Filters
 Micro-Hybrid Assembly Services

SMD914E.3B-ED-156.250MHz

Surface Mount-9x14mm Ceramic Package
 6-"J" lead Oscillator
 Output: Differential PECL
 Operating Voltage: 3.3V

Electrical Specifications

This device is Lead free / ROHs compliant

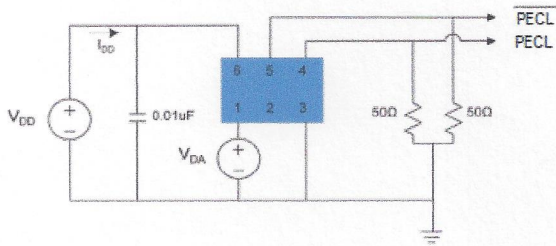
Item		Symbol	Specification	
Output frequency		fo	156.250MHz	
Power source voltage	Operating voltage	Vcc	3.3V ± 0.3 V	
Temperature range	Storage temperature	TSTG	-55 °C to +125 °C	
	Operating temperature	TOPR	0 °C to +70 °C	
Frequency Tolerance			± 20ppm @ 25°C	
Frequency Stability		f/fo	50ppm	
Current consumption		Icc	80mA Max.	
Output disable current		IOE	20 mA Max.	
Duty		T _{wt}	45% to 55%	
Output voltage		V	Vol: 1.7V	Voh: 2.2V
Output load condition		RL	124 ohms output to vdd; 82 ohms output to ground	
Output enable input voltage		V _{ih}	70% Vcc Min.	
Output disable input voltage		V _{il}	30% Vcc Max	
Output rise fall time		t _f / t _r	400 ps Max.	
Oscillator start up time		t _{osc}	10 ms Max.	
Jitter *4		t _{RJ}	3 ps Typ.	
		t _{RMS}	3 ps Typ.	
		T _{p-p}	25 ps Typ.	
Phase jitter		T _{PJ}	2.5 ps Max.	
Phase Noise			-120dbc/HZ Typ.	



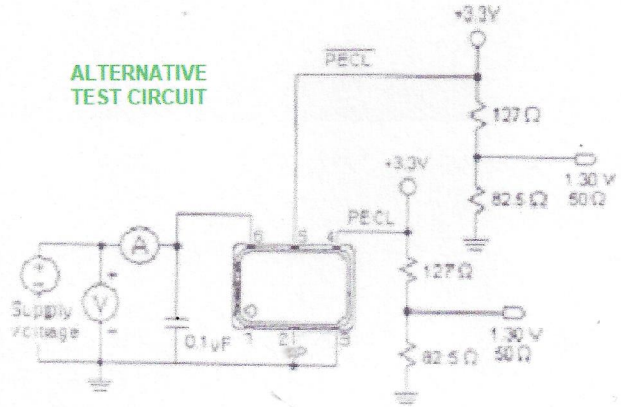
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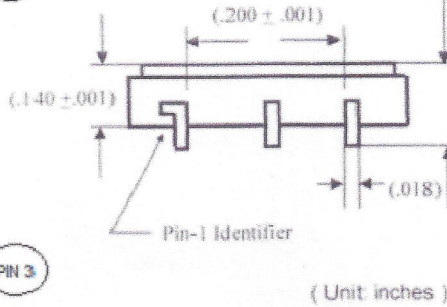
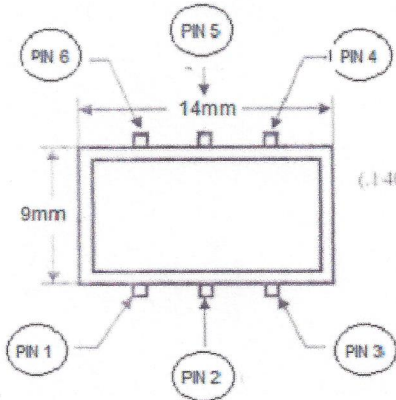
TEST CIRCUIT



ALTERNATIVE TEST CIRCUIT



DRAWING OUTLINE



PIN CONFIGURATION	
Pin 1	N/C or High Enable
Pin 2	N/C or High Enable
Pin 3	GND
Pin 4	OUTPUT
Pin 5	OUTPUT
Pin 6	VDD



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PART NUMBERING GUIDE

