

General Electronic Devices

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

SMD914E.3B-ED- 12.500MHZ

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

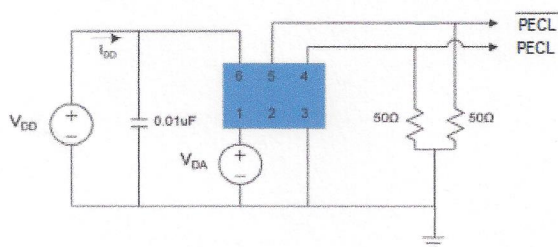
Item	Symbol	Specification	
Output frequency	fo	12.500MHz	
Power source voltage	Operating voltage	Vcc	3.3 V ± 0.3 V
Temperature range	Storage temperature	TSTG	-55 °C to +125 °C
	Operating temperature	TOPR	0 °C to +70 °C
Frequency Tolerance			± 20ppm @ 25°C
Frequency Stability	f/fo		50ppm
Current consumption	Icc		80mA Max.
Output disable current	Ioc		20 mA Max.
Duty	Twt		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	VH	70% Vcc Min.	
Output disable input voltage	VIL	30% Vcc Max	
Output rise fall time	tF / tR	400 ps Max.	
Oscillator start up time	tosc	10 ms Max.	
Jitter *4	trj	3 ps Typ.	
	trms	3 ps Typ.	
	Tp-p	25 ps Typ.	
Phase jitter	TpJ	2.5 ps Max.	
Phase Noise		-120dbc/HZ Typ.	



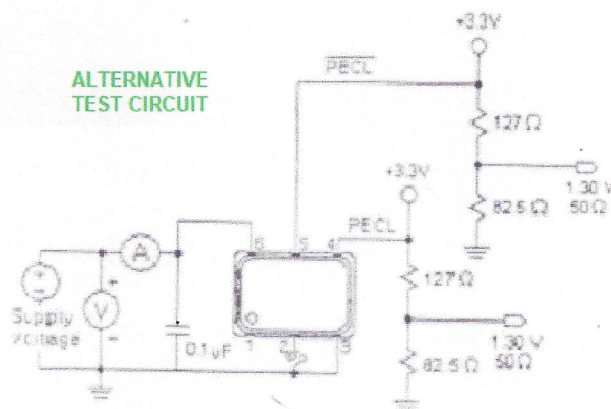
General Electronic Devices

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

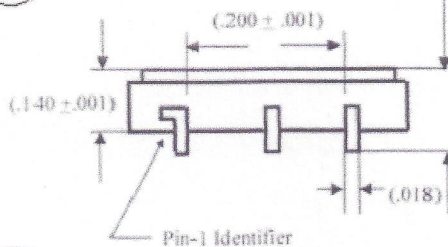
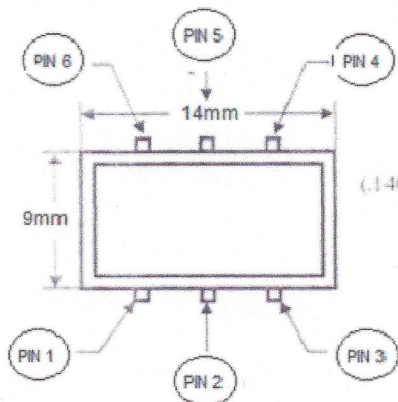
TEST CIRCUIT



ALTERNATIVE TEST CIRCUIT



DRAWING OUTLINE



(Unit inches)

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



General Electronic Devices

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

PART NUMBERING GUIDE

