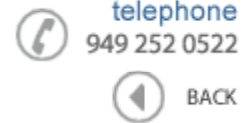





Data Sheet



Product Category: SMD Oscillators

Series Number	Package	Description	Last Modified
921	5 x 7 Ceramic 6 Pad	LVPECL Output	Jan. 01 2007

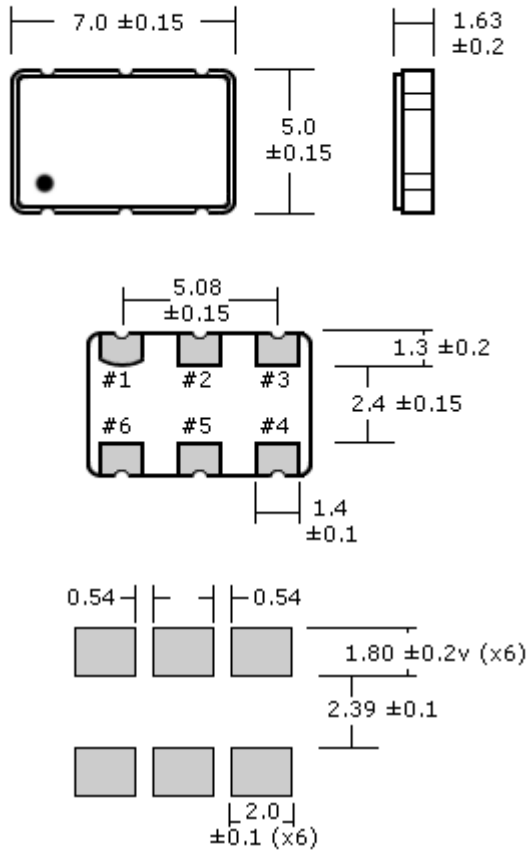
FEATURES

- High Frequency
- PECL Square Wave
- Ultra-Low Jitter
- Extended Operating Temperature
- SMD Version 6 Pad
- RoHs / Lead Free compliant 



OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	CHARACTERISTICS	UNITS
Output Logic	-	PECL Square Wave	-
Input Voltage (VDD)	-	3.3 ±5%	VDC
Frequency Range (f _O)	-	106.250 / 212.500	MHz
Operating Temperature (T _{OPR})	-	0 ~ +85	°C
Storage Temperature (T _{STG})	-	-55 ~ +125	°C
Overall Frequency Stability	(a) - (e)	±50 max.	PPM
	(a) Frequency Tolerance	Inclusive of Overall Stability	-
	(b) Temperature Stability	Inclusive of Overall Stability (Operating Temperature)	-
	(c) Input Voltage Stability	Inclusive of Overall Stability (VDD ±5%)	-
	(d) Load Stability	Inclusive of Overall Stability (RL ±5%)	-
	(e) Aging (@ 25°C)	±3 max.	PPM/Y
Current Consumption	-	75 max.	mA
Rise Time (T _r)	-	400 max. (20% to 80% of Waveform)	ps
Fall Time (T _f)	-	400 max. (20% to 80% of Waveform)	ps
Output Voltage (Vol)	-	V _{cc} - 1.81V ~ V _{cc} - 1.02V	-
Output Voltage (Voh)	-	V _{cc} - 1.025V ~ V _{cc} - 0.88V	-
Load	-	50	Ohms
Duty Cycle	-	50 ±5	%
Start-Up Time (T _S)	-	10 max.	mS
Phase Jitter	(12KHz to 20MHz)	RMS: 1 max.	ps

PACKAGE DIMENSIONS (mm)

Suggested Solder Pad Layout

PIN CONNECTIONS	
#1	Tri-State (Enable High)
#2	Frequency Select: NC or Vcc: 106.25MHz GND: 212.50MHz
#3	Ground
#4	Output
#5	Complimentary Output
#6	VDD

MARKING	
Line 1	Oscilent
Line 2	921

PART NUMBER GUIDE

Series Number	Frequency	Voltage Supply Option	Frequency Tolerance & Stability (max.)	Oper. Temp. (°C)	Duty Cycle	Pin #1	Other
921	- AM	- 3	E	1	- T	TS	- 001
Oscilent Series	Frequency Select: NC or Vcc: 106.25MHz GND: 212.50MHz	3 = 3.3VDC	E = ±50 PPM	1 = 0~+85	T = 50±5%	Tri-State	-

NOTE: - Deviations on all parameters available. Please consult Oscilent for details.

DEFINITIONS: - Click on the characteristic names above for definitions of that particular characteristic.

***STANDARDS:** - "Blank" part number selections indicate standard variables for that particular characteristic.

PACKAGING: - Standard tube packaging, add **-TR** for Tape/Reel. Click [here](#) for tape/reel specifications

Oscilent Corporation - CALL **949.252.0522**

Series No.: 921

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