

Package	Description
5 x 3.2 mm SMD Ceramic	HCMOS / TTL Output

## Features

- Low Power Consumption
- Standby function
- Tape and Reel
- Miniature profile 5 x 3.2 x 1.25
- 3.3V or 5.0V (typ) Other Options Available
- RoHs / Lead Free compliant



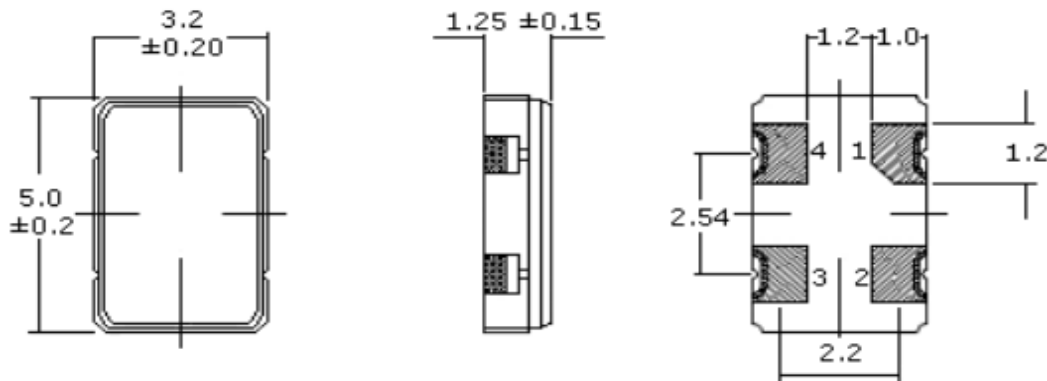
## Electrical Characteristics

Parameter	Conditions	Characteristics	Units
Output Logic	-	HCMOS / TTL Output	-
Input Voltage (VDD)	-	3.3±10% (typ), 5.0±10% (typ), Other Avail	VDC
Frequency Range (fO)	-	0.312-125.00	MHz
Operating Temperature (TOPR)	-	0 ~ +70 (Std.) / -40 ~ 85 (Option)	°C
Storage Temperature (TSTG)	-	-55 ~ +125	°C
Frequency Stability	a + b + c + d	±25, ±50, ±100 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%)	-
Current Consumption	-	10 ~ 45 (35) max.   15 ~ 85 (50) max.	mA
Aging	@ 25°C	±5 max.	PPM/Y
Rise Time (TR) / Fall Time (TF)	< 23.999 MHz	10 max	nS
	24.00 to 70.00 MHz	6 max	
	70.001 to 125.00 MHz	4 max	
PIN 1 Tri-State Input Voltage (Option)	-	Vh (Pin 1) No Connection: Enables Output	-
	-	Vh (Vih) > 2.2 Vdc: Enables Output	
	-	VI (Vil) < 0.8 Vdc : Disable Output (High Impedance)	
Output Voltage High "1" VOH	TTL Load	2.4 min.	VDC
	HCMOS Load	VDD*0.1 max.	
Output Voltage Low "0" VOL	TTL Load	0.4 max.	VDC
	HCMOS Load	VDD*0.9 min.	
Duty Cycle	-	50 ±10 (Std.) / 50 ±5 (Option)	%
Start-Up Time (TS)	35 ~ 125.000 MHz	10 max.	mS
Jitter	(One Sigma)	±25 max.	ps

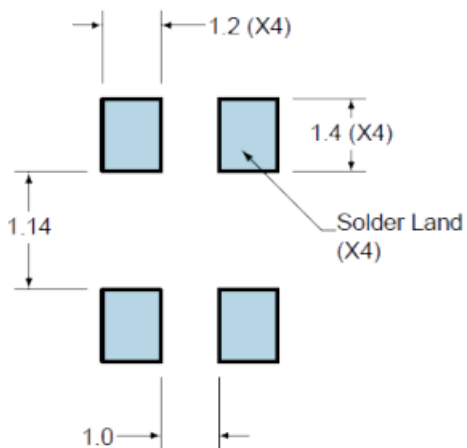
## Part Numbering Guide

Series Number	Frequency	Voltage Supply Option	Frequency Tolerance & Stability (max.)	Operating Temp. (°C)	Duty Cycle	Pin 1 Connection
432	-12.0M	- 3	E	N	- T	TS
Oscilent SMD Oscillators	Enter your desired frequency e.g. 24.0M = 24.000MHz	7 = 3.0VDC 5 = 5VDC 3 = 3.3VDC	D = ±100 PPM E = ±50 PPM F = ±25 PPM G = ±20 PPM	Blank* = 0~+70 C = -10~+70 D = -20~+70 N = -40~+85	Blank* = 50±10% T = 50±5%	NC = No Connection TS = Tri-State Enable High
<p><b>NOTE:</b> - Deviations on all parameters available. Please consult Oscilent for details.</p> <p><b>*STANDARDS:</b> - "Blank" part number selections, indicate standard variables for the particular characteristic.</p> <p><b>PACKAGING:</b> - Add <b>-TR</b> for Tape/Reel.</p>						

## Package Dimensions



## Suggest Solder Pad Layout



PIN	
1	No Connection or Tri-State Enable High
2	Case Ground
3	Output
4	VDD

All Dimensions in millimeters

## Tape & Reel

- 1000 pieces per reel
- Compliant to EIA-481
- All Dimensions in Millimeters

