

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

Features

- Ultra low Jitter at 1pS
- Low Power Consumption
- Tape and Reel
- Miniature profile 5 x 3.2 x 1.0
- 3.3V or 5.0V optional



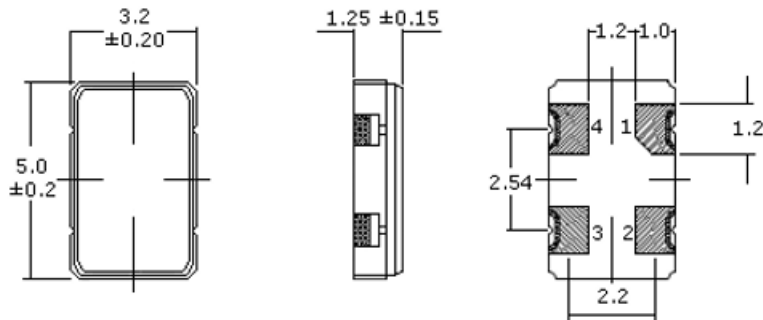
Electrical Characteristics

Parameter	Conditions	Characteristics	Units
Output Logic	-	HCMOS / TTL Output	-
Input Voltage (VDD)	-	3.3±10% 5.0±10%	VDC
Frequency Range (f ₀)	-	0.450 - 100.00	MHz
Operating Temperature (TOPR)	-	0 ~ +70 Std. (Ext Temp Avail. See Table Below)	°C
Storage Temperature (TSTG)	T _{STG}	-55 ~ +125	°C
Frequency Stability	a + b + c + d	±20, ±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 - 70.00 MHz	6 max.	
	70.001 - 100.00 MHz	4 max.	
PIN 1 Tri-State Input Voltage (Option)	-	V _h (Pin 1) No Connection : Enables Output	-
	-	V _h (V _{ih}) ≥ 2.2 Vdc : Enables Output	
	-	V _l (V _{il}) ≤ 0.8 Vdc : Disables Output (High Impedance)	
Output Voltage High "1" V _{OH}	TTL Load	2.4 min	VDC
	HCMOS Load	VDD * 0.9 min.	
Output Voltage Low "0" V _{OL}	TTL Load	0.4 max.	VDC
	HCMOS Load	VDD * 0.1 min	
Duty Cycle	-	50 ±10 (Std.) / 50 ±5 (Option)	%
Start-Up Time (T _S)	-	10 max.	mS
Jitter	(Bandwidth 12Khz - 20Mhz)	RMS: ±1 max.	ps

Part Numbering Guide

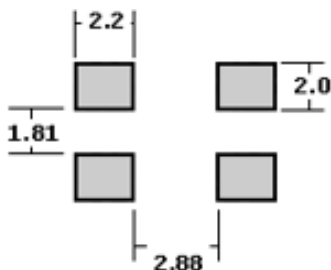
Series Number	Frequency	Voltage Supply Option	Frequency Tolerance & Stability (max.)	Operating Temp. (°C)	Duty Cycle	Pin 1 Connection
434	- 12.0M	- 3	E	N	- T	TS
Oscilent SMD Oscillators	Enter your desired frequency e.g. 12.0M = 12.000MHz	5 = 5VDC 3 = 3.3VDC	D = ±100 ppm E = ±50 ppm F = ±25 ppm G = ±20 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>NOTE: - Deviations on all parameters available. Please consult Oscilent for details.</p> <p>*STANDARDS: - "Blank" part number selections, indicate standard variables for the particular characteristic.</p> <p>PACKAGING: - Add -TR for Tape/Reel</p>						

Package Dimensions



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

Suggest Solder Pad Layout



All Dimensions in millimeters

