

Package	Description
3.2 x 2.5 mm SMD Ceramic	HCMOS/TTL output

Features

- Ultra low Jitter at 1pS
- Tape and Reel
- Miniature profile 3.2 x 2.5 x 1.2
- 3.3V or 2.5V optional
- RoHs/ Lead Free compliant



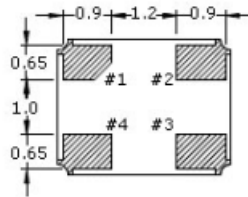
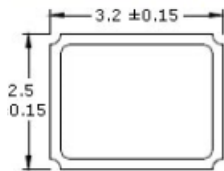
Electrical Characteristics

Parameters	Conditions	Characteristics		Units
Power Supply Voltage	-	3.3 ±10%	2.5 ±10%	V
Frequency Range (fo)	-	1.544 ~ 80.000		MHz
Operating Temperature (TOPR)	-	0 ~ +70 Std. (Ext Temp Avail. See Table Below)		°C
Storage Temperature (TSTG)	-	-55 ~ +125		°C
Frequency Stability	All Conditions	±25, ±50, ±100 max.		ppm
Current Consumption	1.544 ~ 9.999 MHz	8 max.	7 max.	mA
	10.000 ~ 34.999 MHz	10 max.	8 max.	
	35.000 ~ 49.999 MHz	25 max.	20 max.	
	50.000 ~ 80.000 MHz	35 max.	30 max.	
Aging	@ 25°C ±3°C	±5 max.		ppm
Rise Time	10 ~ 90%VDD	7 max.	6 max.	ns
Fall Time	90 ~ 10%VDD	7 max.	6 max.	ns
PIN 1 Tri-State Function	Pin 1 = H or open	Output active at Pin 3		-
	Pin 1 = L	High Impedance at Pin 3		
Output Voltage	-	90 min.		%VDD
	-	10 max.		
Output Load	-	15 max.		pF
Output Symmetry	at 1/2 VDD	50 ±10 (Std.) / 50 ±5 (Option)		%
Start-Up Time (Ts)	-	10 max.		mS

Part Numbering Guide

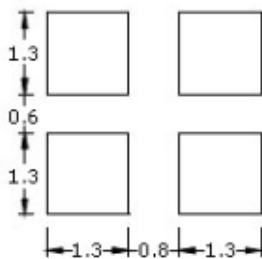
Series Number	Frequency	Voltage Supply Option	Frequency Tolerance & Stability (max.)	Operating Temp. (°C)	Duty Cycle	Pin 1 Connection
435	- 12.0M	- 3	E	N	- T	TS
Oscilent SMD Oscillators	Enter your desired frequency e.g. 12.0M = 12.000MHz	5 = 5VDC 3 = 3.3VDC	D = ±100 ppm E = ±50 ppm F = ±25 ppm	Blank* = 0~+70 C = -10~+70 D = -20~+70 N = -40~+85	Blank* = 50±10% T = -50±5%	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	Tri-State
2	Case Ground
3	Output
4	VDD

Suggest Solder Pad Layout



All Dimensions in millimeters

Tape & Reel

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

