



**THE DATASHEET OF
OVETGLJTNF-66.660000**



OV Type

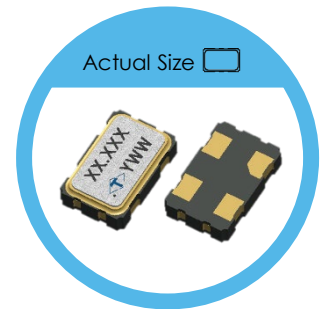
5.0 x 3.2 mm SMD Crystal Oscillator

FEATURES

- Conforms to AEC-Q200
- Typical 5.0 x 3.2 x 1.2 mm Ceramic SMD Package
- Tight Symmetry (45 to 55%) Available
- Realize the Standby Function with Tri-State

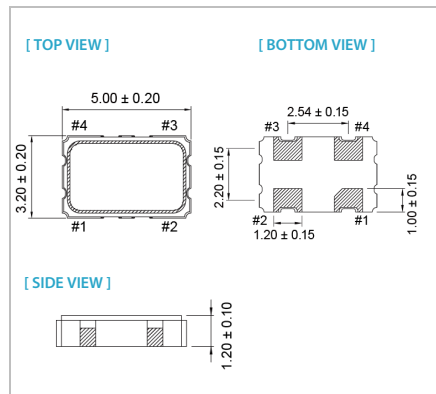
TYPICAL APPLICATION

- GPS, Mobile Phone
- WLAN, Wireless, Fiber/10Gbit Ethernet
- Netbook, PDA, DSC

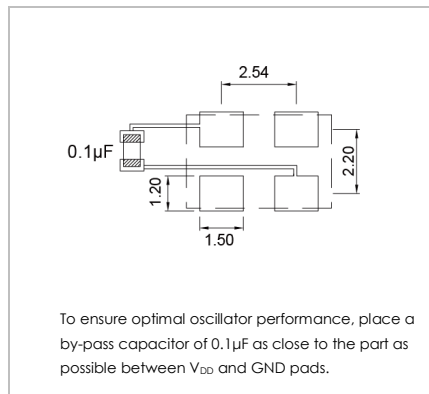


RoHS Compliant

DIMENSION (mm)



SOLDER PAD LAYOUT (mm)



PIN FUNCTION (mm)

PIN#	FUNCTION
1	Tri-State
2	GND
3	Output
4	V _{DD}

ELECTRICAL SPECIFICATION

Parameter	3.3V		2.5V		1.8V		Unit	Test Condition
	Min.	Max.	Min.	Max.	Min.	Max.		
Supply Voltage Variation (V _{DD})	V _{DD} - 10%	V _{DD} + 10%	V _{DD} - 10%	V _{DD} + 10%	V _{DD} - 10%	V _{DD} + 10%	V	
Frequency Range	0.0137	160	0.0137	160	0.0137	135	MHz	
Standard Frequency	2.048, 25, 26, 27, 50, 66.667, 100, 125						MHz	Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.
Supply Current	13.7 kHz ≤ Fo ≤ 93 kHz		1		1		1	mA
	0.3125 MHz ≤ Fo < 50 MHz (A1)		10		8		7	mA
	40 MHz ≤ Fo < 75 MHz		20		18		15	mA
	75 MHz ≤ Fo < 135 MHz		35		30		25	mA
Output Level (CMOS)	135 MHz ≤ Fo		45		40			mA
	Output High (Logic "1")	2.97		2.25		1.62		V
Transition Time: Rise/Fall Time	Output Low (Logic "0")		0.33		0.25		0.18	V
	13.7 kHz ≤ Fo ≤ 93 kHz		50		50		50	nSec
	0.3125 MHz ≤ Fo < 100 MHz		5		5		5	nSec
Start Time	100 MHz ≤ Fo		3		3		3	nSec
			5		5		5	mSec
Output Drive Capability (CL)		15		15		15	15	pF
Tri-State (Input to Pin 1)	Enable (High Voltage or Floating)	2.31		1.75		1.26		V
	Disable (Low Voltage or GND)		0.99		0.75		0.54	V
Period Jitter (pk-pk)		40		40		40		pSec
RMS Phase Jitter (Integrated 12 kHz-20 MHz)		1		1		1		pSec
Standby Current		10		10		10		µA
Aging (@25°C, 1 st year)		±3		±3		±3		ppm
Storage Temp. Range	-55	+125	-55	+125	-55	+125		°C

FREQ. STABILITY vs. TEMP. RANGE

Temp.(°C)	ppm	±20	±25	±50
-10 ~ +60		○	○	○
-20 ~ +70		△	○	○
-40 ~ +85		X	△	○
-40 ~ +125		X	X	△

○: Available △: Conditional x: Not Available
 Inclusive of calibration @ 25°C, operating temperature range, input Voltage variation, load variation, aging (1st year), shock, and vibration






Note: not all combination of options are available. Other specifications may be available upon request.
 Specifications subject to change without notice.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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