

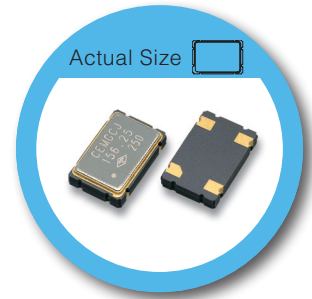
7.0 x 5.0 mm SMD Crystal Oscillator – OC Type Multiplier

FEATURE

- Typical 7.5 x 5.0 x 1.65 mm ceramic SMD package.
- Output frequency up to 200 MHz
- Packing: Tape & Reel, 1000/3000pcs per Reel.

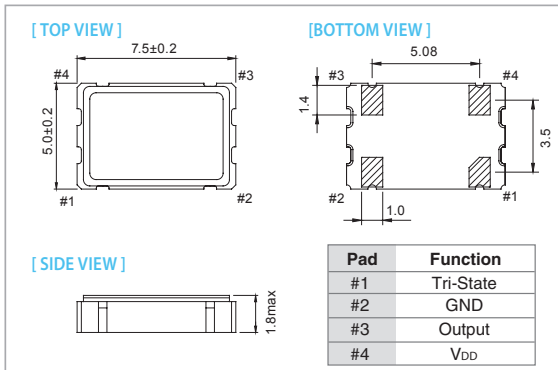
TYPICAL APPLICATION

- xDSL, WLAN, Fiber/10G-Bit Ethernet
- Notebook, PDA
- PC main board, VGA card

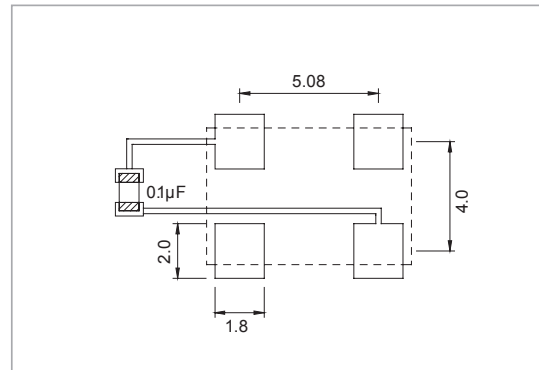


RoHS Compliant Standard

DIMENSION (mm)



SOLDER PAD LAYOUT (mm)



ELECTRICAL SPECIFICATION

Parameter	3.3V		unit
	Min.	Max.	
Supply Voltage Variation(V_{DD}) 10%	2.97	3.63	V
Frequency Range	100	200	MHz
Supply Current			
100 MHz ≤ Fo < 160 MHz	–	40	mA
160 MHz ≤ Fo ≤ 200 MHz	–	50	
Output Level (CMOS)			
Output High (Logic "1")	2.9	–	V
Output Low (Logic "0")	–	0.4	
Transition Time:Rise/Fall Time⁺			
100 MHz ≤ Fo ≤ 200MHz	–	2	nSec
Start Time	–	2	mSec
Tri-State (Input to Pin 1)			
Enable	0.6 V _{DD}	–	V
Disable	–	0.15 V _{DD}	
Absolute Clock Period Jitter	–	150	pSec
Aging	–	±3	ppm
Storage Temp. Range	-55	125	°C

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.

⁺ Transition times are measured between 10% and 90% of V_{DD}, with an output load of 15pF.

FREQ. STABILITY vs. TEMP. RANGE

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

* ○ : Available △ : Conditional X : Not available

* Inclusive of calibration @ 25 °C, operating temperature range, input voltage variation, load variation, aging (1st year), shock, and vibration