

FEATURE

- Typical 3.2 x 2.5 x 0.95 mm ceramic SMD package
- Operation supply voltage: **3.3V**
- FASTXO series, Fast delivery at any frequency
- Tri-State Enable/Disable
- Frequency Stability $\pm 50\text{ppm}$ over -40°C to 85°C
- Pb-free/RoHS compliant

1、 ELECTRICAL SPECIFICATIONS

Parameter	3.3V		Unit	
	Min.	Max.		
Supply Voltage Variation	VDD-5%	VDD+5%	V	
Frequency Range	1	200	MHz	
VDD Sensitivity ($\pm 5\%$)	-2	2	ppm	
Supply Current (@15pf Loading)	1MHz \cong Fo < 30MHz	-	27	mA
	30MHz \cong Fo < 75MHz	-	27	
	75MHz \cong Fo < 125MHz	-	30	
	125MHz \cong Fo < 170MHz	-	35	
	170MHz \cong Fo \cong 200MHz	-	40	
Output Level	Output High	90% VDD	-	V
	Output Low	-	10%VDD	V
Transition Time / Rise Time / Fall Time	1MHz \cong Fo < 10MHz	-	3	nSec
	10MHz \cong Fo < 125MHz	-	2	
	125MHz \cong Fo < 200MHz	-	2	
Duty Cycle	45	55	%	
Startup Time	-	8	mSec	
Tri-State	Output Enable	0.7 x VDD	-	V
	Output Disable	-	0.3 x VDD	
Stand by Current (@PD Mode)	-	400	μ A	
Stand by Current (@OE Mode)	-	20	mA	
Output Loading	15		pf	
RMS Phase Jitter offset	Integer Mode	-	1.5	pSec
12kHz to 20MHz @50MHz	Fractional Mode	-	2.0	
Aging (@ 25°C, First Year)			± 3	ppm
Storage Temp. Range	-55	125	$^{\circ}$ C	

REMARK: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. PLEASE CONFIRM WITH OUR SALES ENGINEER.

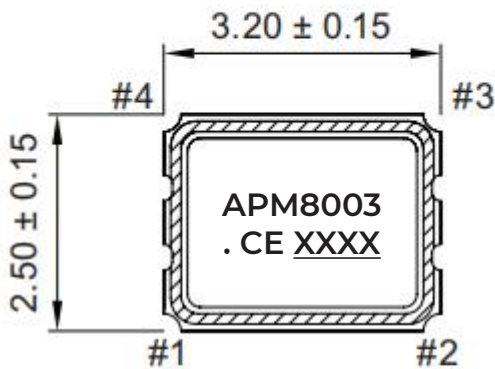
Temp. (°C) \ ppm	±15	±20	±25	±50
-20~+70	△	○	○	○
-40~+85	×	△	○	○
-40~+105	×	△	○	○

*O: Available △: Conditional X: Not available

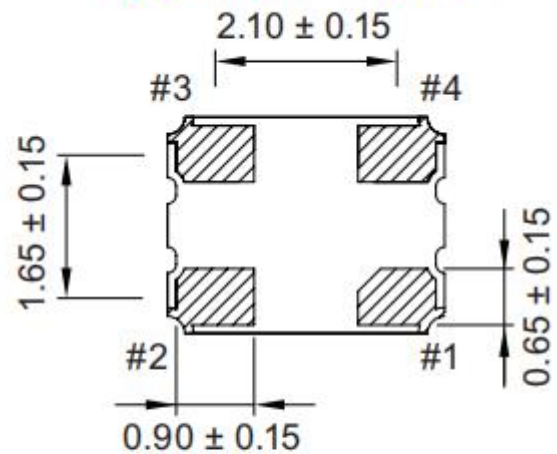
*Inclusive of calibration @ 25 °C ,operating temperature range,input Voltage variation,load variation,aging (1st year),shock,and vibration

2、 DIMENSIONS (Unit: mm)

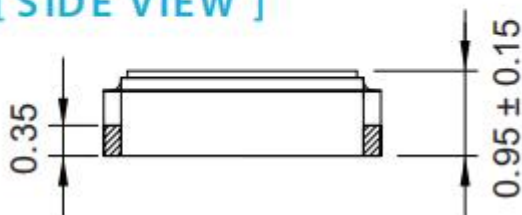
[TOP VIEW]



[BOTTOM VIEW]



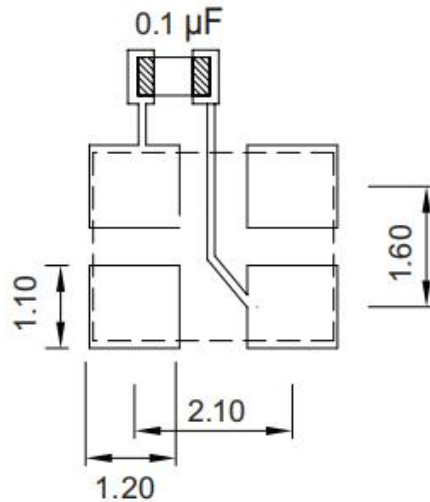
[SIDE VIEW]



Pin#	Function
1	Tri-state
2	GND
3	Output
4	VDD

XXXX: lotcode xx – year, xx – month.
 For example 2307 – 2023 yaer, july

Solder Pay Layout (Unit: mm)



To ensure optimal oscillator performance, place a by-pass capacitor of 0.1 μ F as close to the part as possible between Vdd and GND pads.

3 APM PART NUMBER SYSTEM :

For example: APM3B85624

[Instructions: for project management, APM will trace back the part number to developer wherever it goes]

APM - 3B - 85624 - FO

APM: Brand

3B : Package Code

85624: Serial number , flow code , without any rules

FO: APM Developer Code, for example: VH,CH,PZ,RZ,ML

