

FREQTECH[®]
your first and second source

FT12B



SPECIFICATION

Frequency	0.0327~125.0 MHz	
Supply Voltage	1.8 V	1.8 V
Current Consumption	≤25.0 MHz 4mA max. ≤125.0 MHz 25 mA m.	OSCILLATOR
Operating Temperature Range	Standard, Code 27 -20°C~70°C Available, Code 48 -40°C~85°C	5.0 X 3.2 MM
Storage Temperature Range	-55°C~125°C	
Frequency Stability	See Table	
Output Load Condition	CMOS 15 pF	
Symmetry	45% to 55%	
Output Rise & Fall Time	5 ns max.	
High & Low Output Voltage	90% Vdd min. 10% Vdd max.	
Oscillation Start Up Time	5 ms max.	
Aging	±3 ppm max.	
Phase Jitter (12 kHz~20 MHz)	1 ps max.	
Period Jitter (Peak to Peak)	±40 ps max.	

TABLE

S: Standard ; A: Available

Temp. Code	Temp. / ppm	± 20	± 25	± 50	± 100
27	20~70°C	A	A	S	-
48	40~85°C	-	A	A	S

CONNECTION

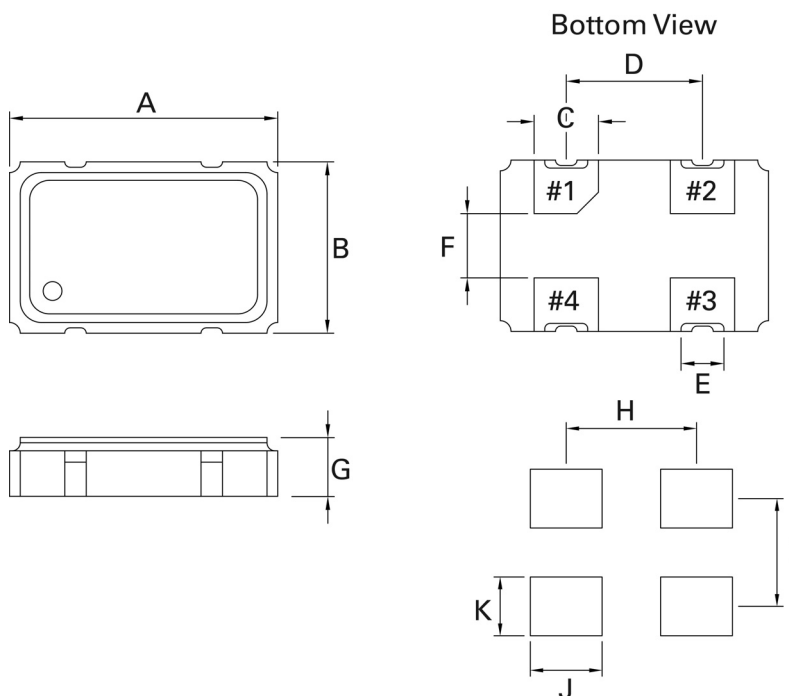
Pin 1: NC or EN/DIS (Tri-State)	Pin 3: Output
Pin 2: GND	Pin 4: Vdd

ORDERING KEY

Example: FT12B-14.74560/50-15/27

Type	- Frequency	/Frequency Stability	-Output Load	/Temp. Code
FT12B	Value in MHz	Value in ppm	15 pF	27 48

MECHANICAL DIMENSIONS (MM)



A	5.0 ± 0.2
B	3.2 ± 0.2
C	1.2 ± 0.1
D	2.54 ± 0.1
E	0.8
F	1.2 ± 0.1
G	1.3 max.
H	2.54
I	2.2
J	1.4
K	1.2