

FREQTECH[®]
your first and second source

FT10B



SPECIFICATION

Frequency	0.0327~125.0 MHz	5 V	5 V OSCILLATOR
Supply Voltage	≤25.0 MHz 15mA max.		
Current Consumption	≤125.0 MHz 50 mA m.		
Operating Temperature Range	Standard, Code 27	-20°C~70°C	
	Available, Code 48	-40°C~85°C	
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% V _{dd} min.	
		10% V _{dd} 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.	

S: Standard ; A: Available

CONNECTION

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

Pin 1: NC or EN/DIS (Tri-State)	Pin 3: Output
Pin 2: GND	Pin 4: V _{dd}

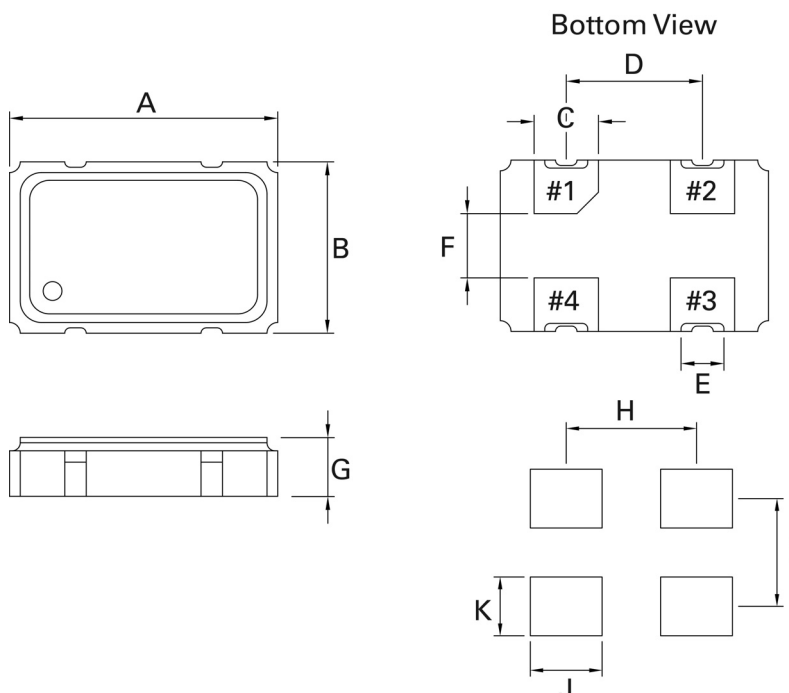
TABLE

ORDERING KEY

Example: FT10B-14.74560/50-15/27

Type	- Frequency	/Frequency Stability	-Output Load	/Temp. Code
FT10B	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