

FREQTECH[®]
your first and second source

FT44B



SPECIFICATION

Frequency
Supply Voltage
Current Consumption
Operating Temperature Range

Standard, Code 27
Available, Code 48

32,768 kHz
3,3 V
15mA max.
-20°C~70°C
-40°C~85°C
-55°C~125°C
See Table
CMOS 15 pF
45% to 55%
5 ns max.
90% Vdd min.
10% Vdd max.
5 ms max.
±3 ppm max.
1 ps max.
±50 ps max.

3,3 V Oscillator
2,5 x 2 mm

Storage Temperature Range
Frequency Stability
Output Load Condition
Symmetry
Output Rise & Fall Time
High & Low Output Voltage

Oscillation Start Up Time
Aging
Phase Jitter (12 kHz~20 MHz)
Period Jitter (Peak to Peak)

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

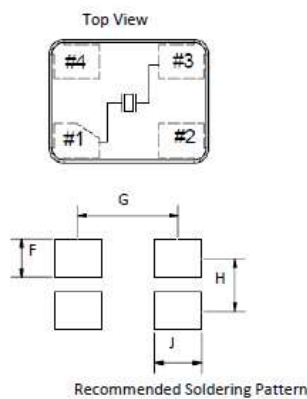
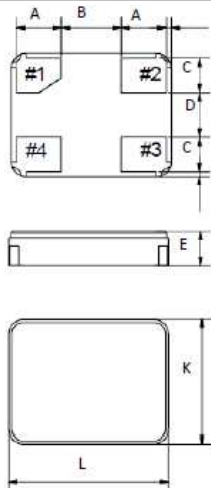
Pin 1: NC or EN/DIS (Tri-State)	Pin 3: Output
Pin 2: GND	Pin 4: Vdd

ORDERING KEY

Example: FT44B-32,768/50-15/27

Type	- Frequency	/Frequency Stability	-Output Load	/Temp. Code
FT44B	Value in kHz	Value in ppm	15 pF	27 48

MECHANICAL DIMENSIONS (mm)



A	0,75
B	0,9
C	0,6
D	0,65
E	0,85
F	0,85
G	1,7
H	1,35
J	1,0
K	2,0±0,1
L	2,5±0,1