

**SPECIFICATION**

Frequency Range	Fundamental	6.0~100.0 MHz	<b>QUARTZ CRYSTAL</b> <b>6.0 X 3.5 MM</b>
Motional Resistance		See Table 2	
Load Capacitance (CL)		12-18 pF	
Drive Level		100μW typ., 500μW max.	
Frequency Tolerance @25°C		±10~±50 ppm	
Temperature Stability		See Table 1	
Operating Temperature Range	Standard, Code 27	-20°C~70°C	
	Available, Code 48	-40°C~85°C	
Storage Temperature Range		-40°C~85°C	
Aging		±2 ppm /year max.	
Shunt Capacitance		7 pF	
Reflow Soldering		10s max., 260°C twice or 180s @185°C once	
Packing Unit		1000 pcs. Tape&Reel	

**TABLE 1**

S: Standard ; A: Available

Temp. Code	Temp. / ppm	± 10	± 20	± 30	± 50
27	20~70°C	A	A	S	A
48	40~85°C	A	A	A	S

**TABLE 2**

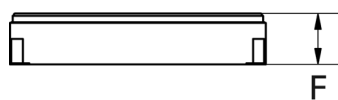
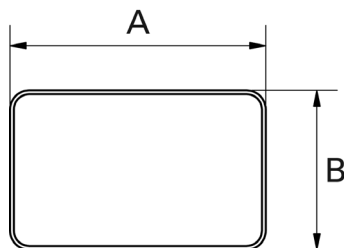
6.0~10.0 MHz:70 Ω	41.1~50.0 MHz:60 Ω
10.1~20.0 MHz:50 Ω	50.1~85.0 MHz:50 Ω
20.1~41.0 MHz: 40 Ω	85.1~100.0 MHz:40 Ω

**ORDERING KEY**

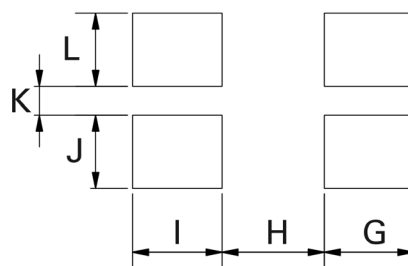
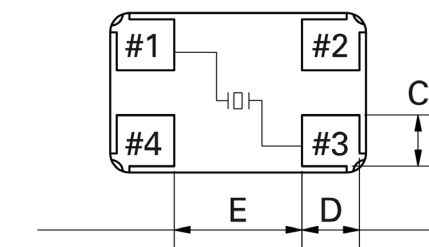
Example: FT8A-32.0/16-30-30/27

Type	- Frequency	/CL	-Frequency Tolerance	-Temperature Stability	/Temperature Code
FT8A	Value in MHz	Value in pF s for series	Value in ppm	Value in ppm	27 48

**MECHANICAL DIMENSIONS (MM)**



**Bottom View**



A	6.0 ± 0.2
B	3.5 ± 0.2
C	0.9
D	1.4
E	3.0 ± 0.1
F	1.2 max.
G	1.95
H	2.4
I	1.95
J	1.4
K	1.1
L	1.4