

SPECIFICATION

Frequency Range	Fundamental	8.0~47.999 MHz	QUARTZ CRYSTAL 5.0 x 3.2 MM
	3rd overtone	48.0~80.0 MHz	
Motional Resistance		See Table 2	
Load Capacitance (CL)		9-16 pF	
Drive Level		10µW typ., 500µW max.	
Frequency Tolerance @25°C		±30~±100 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	±3 ppm /year max.	
Shunt Capacitance		7 pF max.	
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

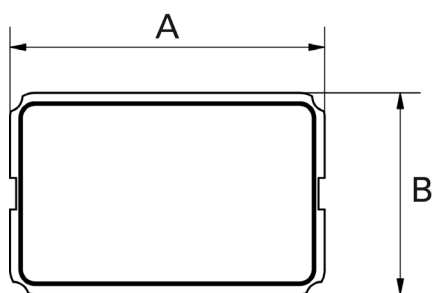
8.0~11.999 MHz	80 Ω
12.0~17.00 MHz	60 Ω
17.001~32.00 MHz	50 Ω
32.001~54.00 MHz	40 Ω

ORDERING KEY

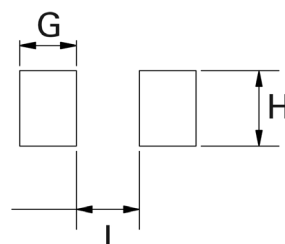
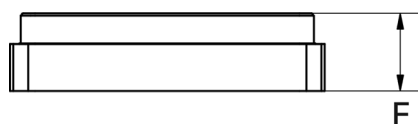
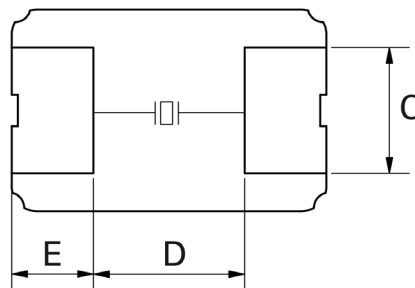
Example: FT11A-32.0/16-30-30/27

Type	- Frequency	/CL	-Frequency Tolerance	-Temperature Stability	/Temperature Code
FT11A	Value in MHz	Value in pF s for series	Value in ppm	Value in ppm	27 48

MECHANICAL DIMENSIONS (MM)



Bottom View



A	5.0 ± 0.2
B	3.2 ± 0.2
C	2.0
D	2.4
E	1.3
F	1.2 ± 0.2
G	1.8
H	2.4
I	2.0