Ceramic Surface Mount Crystal

The SM6B series incorporates a sub-miniature AT-cut strip crystal resonator housed in a miniature 2-pad 6.0x3.5mm ceramic package with 2 pads. These compact crystals are ideal for surface mount, densely-populated PCB applications.

	SM6B

- Rugged AT-cut crystal construction
- Ultra miniature for maximum spacing saving
- Ideally suited for disc driver, PCMCIA, PC'S and hand-held products
- Tight specifications available

Specifications:

Frequency Range:

10 MHz ~ 45 MHz	Fundamental
36 MHz ~ 121 MHz	Overtone

Operating Temperature:

0°C ~ +50°C	-A
-10°C ~ +60°C	-B
-20°C ~ +70°C	-C
-40°C ~ +85°C	-L

Storage Temperature: -55°C ~ +125°C

Frequency Tolerance: (at 25°C)

± 50 ppm	-50
± 30 ppm	-30
± 20 ppm	-20
± 10 ppm	-10

Frequency Stability: (over temperature range)

± 50 ppm	-50
± 30 ppm	-30
± 20 ppm	-20
± 10 ppm	-10

Circuit Condition: 10 pF ~ 32 pF or series

Equivalent Series Resistance: Maximum resistance corresponds to frequency. Please see ESR table.

Drive Level: 0.1 mW max

Shunt Capacitance: 7 pF max
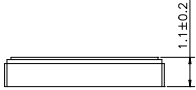
Aging: ± 3 ppm max per year

Optional Features:

Fundamental	-F
3rd,5th,7th O.T.	-3,5,7
Tape & Reel	-TR

SM6B
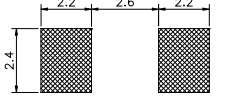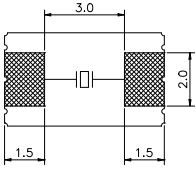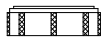
All dimensions are in mm

Ordering Information

Product name + CL + Operating Temperature Range + Tolerance + Stability + Other Code + Frequency.

i.e. SM6B-20-C-30-30-F-24.000MHz

Note:

1. Other frequencies, tolerances, stabilities, and operating temperature ranges available. Consult VTC Support for specific requirements.

2. Not all combinations of the above tolerances, stabilities, and temperature ranges are available. Consult VTC Support if your requirement is not standard.

3. All specifications subject to change without notice.