Ceramic Surface Mount Crystal

SM6

RoHS Compliant

The SM6 series incorporates a sub-miniature AT-cut strip crystal resonator housed in a miniature 6.0x3.5mm ceramic package. These compact crystals are ideal for surface mount, densely-populated PCB applications.

- 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
- Complies with Directive 2002/95/EC (RoHS Compliant)

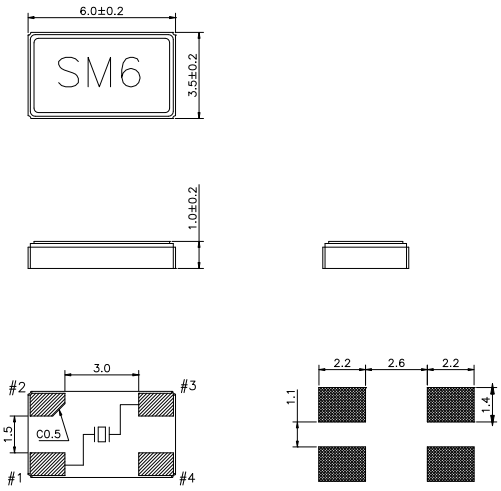
Specifications:

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:	± 50 ppm	-50
(at 25°C)	± 30 ppm	-30
	± 20 ppm	-20
	± 10 ppm	-10
Frequency Stability:	± 50 ppm	-50
(over temperature range)	± 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

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.

SM6



All dimensions are in mm

Ordering Information

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

i.e. SM6-20-C-30-30-F-24.000MHz

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