Ceramic Surface Mount Crystal

SM5

RoHS Compliant

The SM5 series incorporates a sub-miniature AT-cut strip crystal resonator housed in a standard 7.0x5.0x1.3 mm ceramic package. These compact crystals are ideal for surface mount, densely-populated PCB applications.

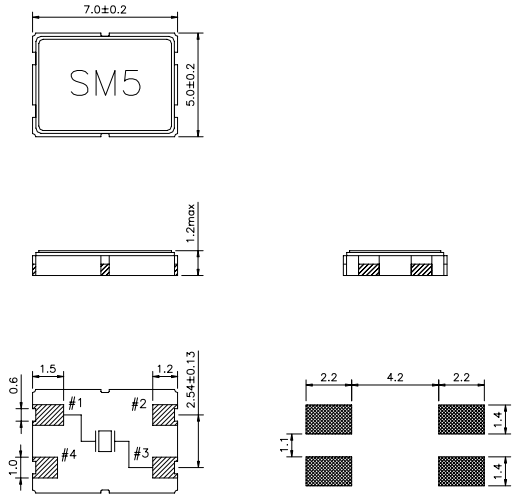
Specifications:

Frequency Range:	8.0 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.

SM5



All dimensions are in mm

Ordering Information

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

i.e. SM5-20-C-30-30-F-24.000MHz

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