

Ceramic Surface Mount Crystal

The SM7 series incorporates a sub-miniature AT-cut strip crystal resonator housed in a miniature 5.0x3.2x0. 9mm ceramic package. compact crystals are ideal for surface mount, densely-populated PCB applications.

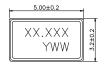
- Rugged AT-cut crystal construction
- Ultra miniature for maximum spacing saving
- Ideally suited for disc driver, PCMCIA, PC'S and hand-held products
- Tight specifications available
- Complies with Directive 2002/95/EC (RoHS Compliant)

SM7

RoHS Compliant

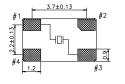
Specifications:				
Frequency Range:	12 MHz ~ 4 36 MHz ~ 1		Fundamental Overtone	
Operating Temperature:		0°C ~ +50°C	-A	
	-1	10°C ~ +60°C	-B	
	-2	20°C ~ +70°C	-C	
	-2	40°C ~ +85°C	-L	
Storage Temperature:	-5	55°C ~ +125°C	C	
Frequency Tolerance:	±	50 ppm	-50	
(at 25°C)	±	30 ppm	-30	
	±	20 ppm	-20	
	±	10 ppm	-10	
Frequency Stability:	±	50 ppm	-50	
(over temperature range	e) ±	30 ppm	-30	
	±	20 ppm	-20	
	±	10 ppm	-10	
Circuit Condition:	6	6 pF ~ 50 pF or series		
Equivalent Series Res	istance: N	Maximum resistance corresponds		
	to	to frequency. Please see ESR table. Typically 50Ω .		
	ta			
Drive Level:	1	10 μW Typical		
Shunt Capacitance:	7	pF max		
Aging:	±	± 2 ppm max per year		
Optional Features:	F	undamental	- F	
	3	rd,5 th ,7 th O.T.	- 3, 5, 7	
	Ta	ape & Reel	- T	

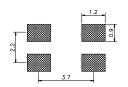
SM7











All dimensions are in mm

Marking:

Line 1: XX.XXX - Frequency in MHz (6 digit)

Line 2: YWW - Year and Week No.

Ordering Information

Frequency Stability Vs. Temperature Range

Temperature Range \ PPM		± 5	± 10	± 15
Α	0°C ~ +50°C		0	0
В	-10°C ~ +60°C		0	0
С	-20°C ~ +70°C	Х	0	0
L	-40°C ~ +85°C	Х	Х	0

O Standard X N/A ☐ Available Upon Request

Note: 1. Other frequencies, tolerances, stabilities, and operating temperature ranges available. Frequency. 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.

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

i.e. SM7-20-C-10-10-F-T-16.000MHz

Phone: +86 (10) 5820-3910 Fax: +86 (10) 5820-3915 Web: http://www.vanlong.com