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, These 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:		- 45 MHz	Fundament	al	
	36 MHz ~	- 121 MHz	Overtone		
Operating Temperature	0°C ~ +50°C	-A			
		-10°C ~ +60°C	; -В		
		-20°C ~ +70°C -C			
		-40°C ~ +85°C -L			
Storage Temperature:		-55°C ~ +125°C			
Frequency Tolerance:		\pm 50 ppm	-50		
(at 25°C)		\pm 30 ppm	-30		
		\pm 20 ppm	-20		
		\pm 10 ppm	-10		
Frequency Stability:		\pm 50 ppm	-50		
(over temperature range	e)	\pm 30 ppm	-30		
		\pm 20 ppm	-20		
		\pm 10 ppm	-10		
Circuit Condition:		6 pF ~ 50 pF or series			
Equivalent Series Res	istance:	Maximum resistance corresponds			
		to frequency. Please see ESR table. Typically 50Ω .			
Drive Level:		10 μW Typical			
Shunt Capacitance:		7 pF max			
Aging:		\pm 2 ppm max per year			
Optional Features:		Fundamental	- F		
		3 rd ,5 th ,7 th O.T.	- 3, 5,	7	
		Tape & Reel	- T		

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.

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Ordering Information

Frequency Stability Vs. Temperature Range

0.9

Te	mperature Range \ PPM	± 5	± 10	± 15
А	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

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

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

SM7

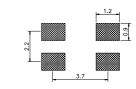
VANLONG



SM7

5.00±0.2 XX.XXX 3.2±0.2 YWW





All dimensions are in mm

Line 1 : XX.XXX - Frequency in MHz (6 digit) Line 2 : YWW - Year and Week No.

Marking:

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