

## SMD Ceramic Quartz Crystal

Widely used for the telecommunications, Aerospace, defense and Military Industries.



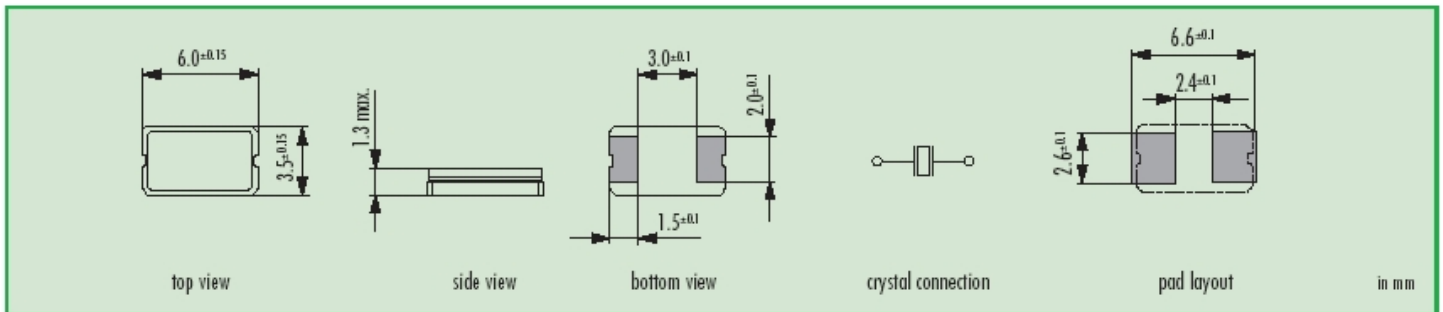
Operating Temp. Ranges	Frequency Stability			
	1 ±25ppm	2 ±30ppm	3 ±50ppm	4 ±100ppm
C -20 to 70°C	Y	Y	Y	Y
D -40 to 85°C	Y	Y	Y	Y
E -40 to 105°C	Y	Y	Y	Y
F -40 to 125°C	N	Y	Y	Y
G -55 to 125°C	N	N	Y	Y

Parameter	Unit	Condition	Min	Typ	Max	Note
Frequency Range	MHz		3.579		160	
Frequency Tolerance	ppm	25°C			±25	
Frequency Stability	ppm				±25	Ref. @ 25°C
Operating Storage	°C		-55		+125	
Shunt Capacitance (C <sub>0</sub> )	pF				7.0	
Load Capacitance (C <sub>L</sub> )	pF	Customer Specified	10	12	Series	
Drive Level	mW			0.1	0.5	
Aging Per Year	ppm				±3.0	

Environmental And Mechanical	
Mechanical Shock	Per MIL-STD-883 ,Method 2002 ,Cond.B
Thermal Shock	Per MIL-STD-883 ,Method 1011 ,Cond.A
Vibration	Per MIL-STD-883 ,Method 2007 ,Cond.A
Seal	Per MIL-STD-883, Method 1014, Condition B & C
Solderability	Per MIL-STD-883 ,Method 2003 ,Cond.A

Frequency in MHz	Vibration	ESR max. in Ω	ESR typ. In Ω
3.579 - 8.999	Fund. -AT	80	40
10.0 - 11.999	Fund. -AT	60	25
12.0 - 15.999	Fund. -AT	60	15
16.0 - 21.999	Fund. -AT	50	15
22.0 - 24.999	Fund. -AT	40	15
25.0 - 50.000	Fund. -AT	30	15
45.0 - 160.000	3 <sup>rd</sup> OT-AT	90	65

### Dimensions



### Part Numbering Guide

