

HC49USSMD

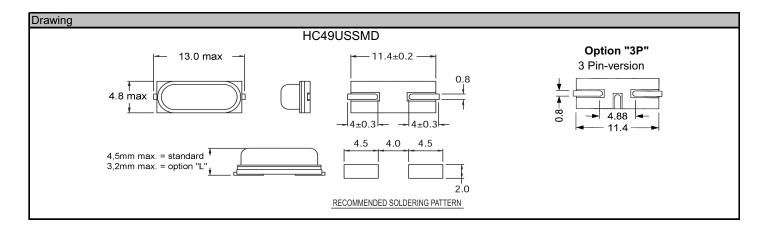
Features:

- Wide frequency range
- Tight tolerance and stability over temperatureTape & reel packaging
- 3 pin-version available



Specifications				
		Symbol	HC49USSMD	Remarks
Frequency range		f	3.579MHz ~ 35.000MHz	Fund. mode
			30.000MHz ~ 90.000MHz	Overtone mode
Frequency tolerance,Ta=25°C		f/f	± 3ppm ~ ± 50ppm	Please specify
Load capacitance		C_L	5pF ~ 50pF or user specify	Please specify
emperature tolerance		f/f	±3ppm ~ ± 50ppm	Please specify
Temperature range	Storage temperature	T _{STG}	-40°C ~ +105°C	
	Operating temperature	T_{OPR}	0°C ~ +70°C / -40°C ~ +105°C	Others are offered
Drive level	Maximum drive level	M_DL	1000 W	
	Recommended drive level	R_{DL}	10 W ~ 100 W	
Series resistance	eries resistance		As per table	25°C
Shunt capacitance		C ₀	7pF	Max
Insulation resistance		I _R	500M Ohm	
Aging		f _A	± 1ppm ~ ±5ppm/Year	Please specify

Resistance of series resonance (ESR)							
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm max	
3.579 <= f < 6.0	Fundamental	150		15.0 <= f < 35.0	Fundamental	40	
6.0 <= f < 10.0	Fundamental	100		30.0 <= f < 90.0	3rd OT	70	
10.0 <= f < 15.0	Fundamental	60					



Order key								
Q	- 20.000000M	- HC49USSMD	- F	- 30	- 50	- D	- 30	- TR
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz M=MHz	M=MHz	HC49USSMD	F=fund.	+/-ppm	+/-ppm	A= 0°C ~ 70°C	pF	3P=3Pin version
			3=3.OT	(25°C)	(Temp. range)	B=-10°C ~ 60°C	SR=series	L=Low hight
						C=-10°C ~ 70°C		TR=Tape and reel
						D=-20°C ~ 70°C		X=Special options
						E=-40°C ~ 85°C		
						F=-40°C ~ 105°C		
						G=-40°C ~ 125°C		
						H=-20°C ~ +80°C		
						I=-10°C ~ +50°C		

Remarks: All specifications subject to change without notice!