

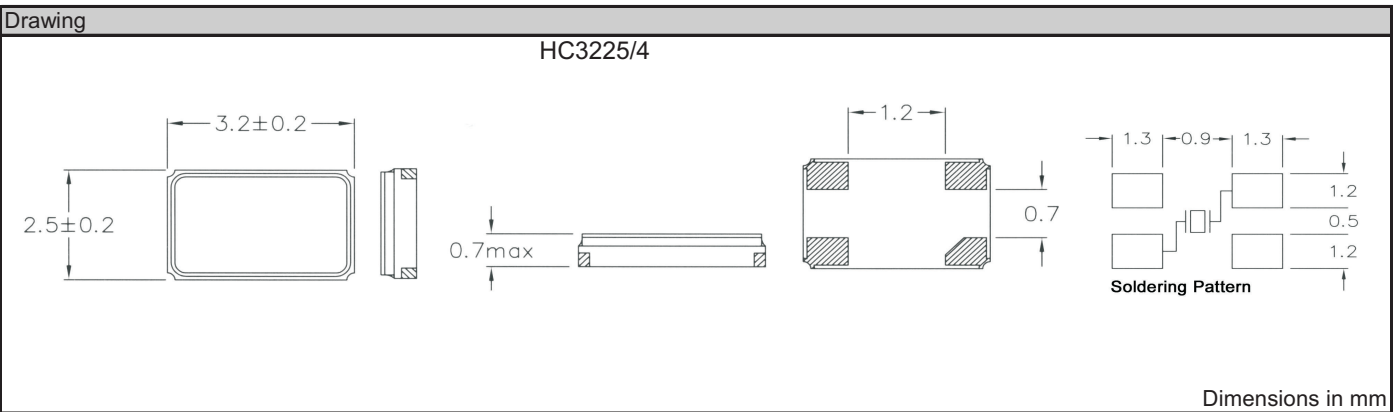
HC3225/4

Features:

- SMD
- High reliability
- Application: Bluetooth, wireless LAN
- Ultra thin and small leadless type

Specifications			
	Symbol	HC3225	Remarks
Frequency range	f	12.000MHz ~ 50.000MHz	Fundamental mode
Frequency tolerance, Ta=25°C	$\Delta f/f$	$\pm 10\text{ppm} \sim \pm 30\text{ppm}$	Please specify
Load capacitance	C <sub>L</sub>	7pF ~ 32pF	Please specify
Temperature tolerance	$\Delta f/f$	$\pm 10\text{ppm} \sim \pm 30\text{ppm}$	Please specify
Storage temperature range	T <sub>STG</sub>	-40°C ~ +85°C	
Operating temperature range	T <sub>OPR</sub>	-20°C ~ +70°C	Others are offered
Maximum drive level	M <sub>DL</sub>	500μW	
Recommended drive level	R <sub>DL</sub>	100μW	
Series resistance	R <sub>1</sub>	As per table	25°C ±3°C
Shunt capacitance	C <sub>0</sub>	7pF	Max
Insulation resistance	I <sub>R</sub>	500M Ohm	Min
Aging	$\Delta f_A$	±3ppm/Year	

Resistance of series resonance (ESR)						
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm max
13 ≤ f < 25	Fundamental	100		25 ≤ f < 50	Fundamental	60



Order key								
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q	- 40.000000M	- HC3225/4	- F	- 30	- 30	- D	- 16	- TR
Q=Quartz	M=MHz	HC3225/4	F=fund.	±ppm (25°C)	±ppm (Temp. range)	A= 0°C ~ +70°C B= -10°C ~ +60°C C= -10°C ~ +70°C D= -20°C ~ +70°C E= -40°C ~ +85°C I = -10°C ~ +50°C S= spezial	pF SR=series	TR=Tape and reel X=Special options
		/4 = 4 pads						