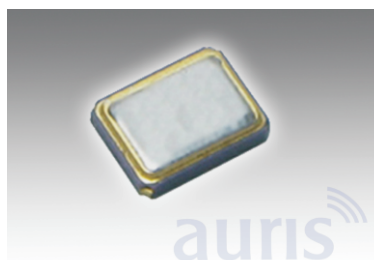




Features:

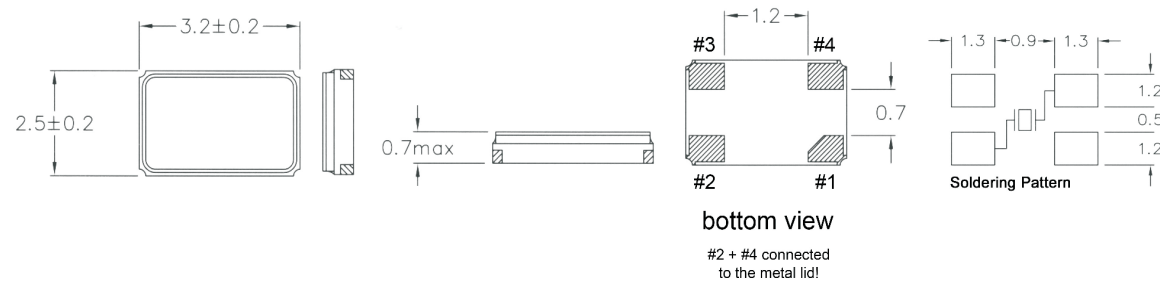
- SMD
- High reliability
- Application: Bluetooth, wireless LAN
- Ultra thin and small leadless type



HC3225/4

Specifications			
	Symbol	HC3225	Remarks
Frequency range	f	10.000MHz ~ 60.000MHz	Fundamental mode
		72.000MHz ~ 150.000MHz	3rd OT
Frequency tolerance, Ta=25°C	$\Delta f/f$	$\pm 10\text{ppm} \sim \pm 30\text{ppm}$	Please specify
Load capacitance	C_L	7pF ~ 32pF	Please specify
Temperature tolerance	$\Delta f/f$	$\pm 10\text{ppm} \sim \pm 30\text{ppm}$	Please specify
Storage temperature range	T_{STG}	-55°C ~ +125°C	
Operating temperature range	T_{OPR}	-40°C ~ +85°C	Others are offered
Maximum drive level	M_{DL}	300μW	
Recommended drive level	R_{DL}	10μW	
Series resistance	R_1	As per table	25°C $\pm 3^\circ\text{C}$
Shunt capacitance	C_0	3pF	Max
Insulation resistance	I_R	500M Ohm	Min
Aging	Δf_A	$\pm 3\text{ppm/Year}$	

Resistance of series resonance (ESR)					
Frequency (MHz)	Mode	Ohm max	Frequency (MHz)	Mode	Ohm max
10	Fundamental	150	25 ≤ f < 60	Fundamental	60
11 ≤ f < 12	Fundamental	120	72 ≤ f < 150	Fundamental	100
12 ≤ f < 25	Fundamental	100			

Drawing	
HC3225/4	
 Dimensions in mm	

Order key								
Q	- 30.000000M	- HC3225/4	- F	- 30	- 30	- D	- 16	- TR
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz	M=MHz	HC3225/4	F=fund. 3=3.OT	±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 F= -40°C ~ +105°C G= -40°C ~ +125°C H= -20°C ~ +80°C I = -10°C ~ +50°C	pF SR=series	TR=Tape and reel X=Special options
		/4 = 4 pads						