



HC 2520/4

Features:

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

Specifications			
	Symbol	HC2520/4	Remarks
Frequency range	f	16.000MHz ~ 50.000MHz	Fundamental mode
Frequency tolerance, Ta=25°C	f/f	±10ppm ~ ±50ppm	Please specify
Load capacitance	C _L	7pf ~ 32pF	Please specify
Temperature tolerance	f/f	±10ppm ~ ±50ppm	Please specify
Storage temperature range	T _{STG}	-40°C ~ +85°C	
Operating temperature range	T _{OPR}	-10°C ~ +60°C; -20°C ~ 70°C	Others are offered
Maximum drive level	M _{DL}	100µW	
Recommended drive level	R _{DL}	50µW	
Series resistance	R ₁	As per table	25°C ±3°C
Shunt capacitance	C ₀	3pF	Max
Insulation resistance	I _R	500M Ohm	Min
Aging	f _A	±1 ~ ±3ppm/Year	

Resistance of series resonance (ESR)						
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm max
24.5760 ≤ f < 30.0	Fundamental	80		30.0 ≤ f < 50.0	Fundamental	50

Drawing

HC2520/4

Dimensions in mm

Order key								
Q	- 20.000000M	- HC2520/4	- F	- 30	- 30	- A	- 10	- TR
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz	M=MHz	HC2520/4	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	pF	TR=Tape and reel X=Special options