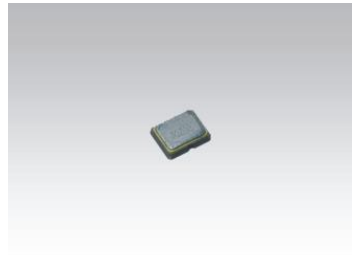


Quartz SMD, Ceramic



Features:

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



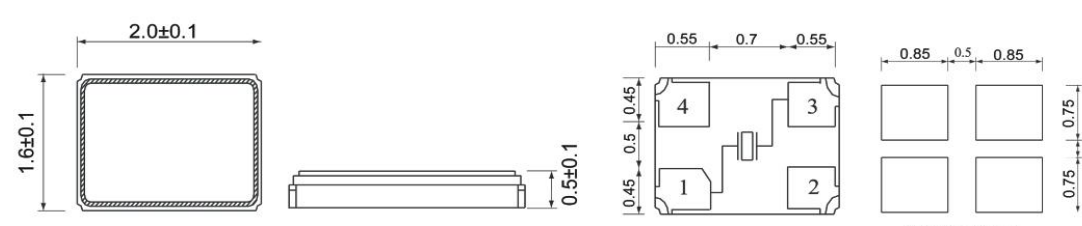
HC 2016/4

Preliminary

Specifications			
	Symbol	HC2016/4	Remarks
Frequency range	f	26.000MHz ~ 50.000MHz	Fundamental mode
Frequency tolerance, Ta=25°C	$\Delta f/f$	±10ppm ~ ±30ppm	Please specify
Load capacitance	C _L	12pF	Others are offered
Temperature tolerance	$\Delta f/f$	±10ppm ~ ±50ppm	Please specify
Storage temperature range	T _{STG}	-40°C ~ +85°C	
Operating temperature range	T _{OPR}	-20°C ~ 70°C	Others are offered
Maximum drive level	M _{DL}	100iW	
Recommended drive level	R _{DL}	50iW	
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	Δf_A	±3ppm/Year	

- Please consult with us for other specifications

Resistance of series resonance (ESR)						
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm max
26.0 ≤ f < 30.0	Fundamental	100		30.0 ≤ f < 50.0	Fundamental	80

Drawing	
HC2016/4	
 Top view dimensions: 2.0±0.1 mm (width), 1.6±0.1 mm (height). Side view dimensions: 0.5±0.1 mm (thickness). Soldering pattern dimensions: 0.55 mm, 0.7 mm, 0.55 mm (top); 0.45 mm, 0.5 mm, 0.45 mm (bottom); 0.85 mm, 0.5 mm, 0.85 mm (width); 0.75 mm, 0.75 mm (height).	
Dimensions in mm	

Order key								
Q	- 28.000000M	- HC2016/4	- F	- 30	- 30	- A	- 12	- 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