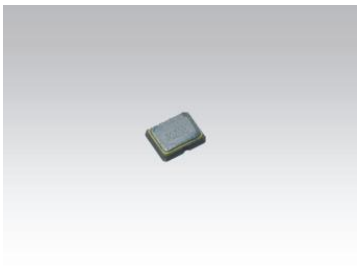
Quartz SMD, Ceramic

RoHS 2002/95/EC



HC 2016/4

Preliminary

Features:

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

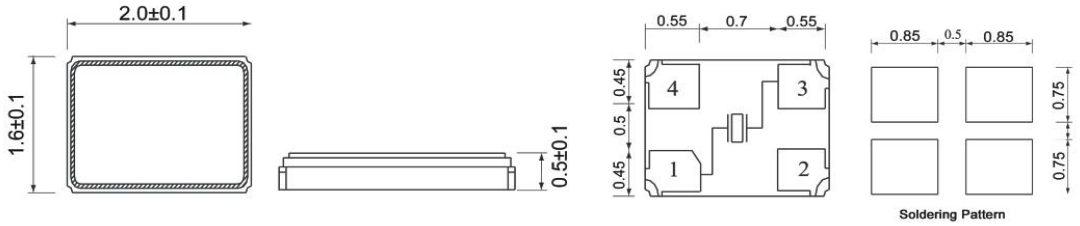
Specifications			
	Symbol	*HC2016/4*	*Remarks*
Frequency range	f	26.000MHz ~ 50.000MHz	Fundamental mode
		-	
Frequency tolerance,Ta=25°C	Äf/f	±10ppm ~ ±30ppm	Please specify
Load capacitance	C_L	12pf	Others are offered
Temperature tolerance	Äf/f	±10ppm ~ ±50ppm	Please specify
Storage temperature range	T_{STG}	-40°C ~ +85°C	
Operating temperature range	T_{OPR}	-20°C ~ 70°C	Others are offered
Maximum drive level	M_{DL}	100ìW	
Recommended drive level	R_{DL}	50ìW	
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	$Äf_A$	±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



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