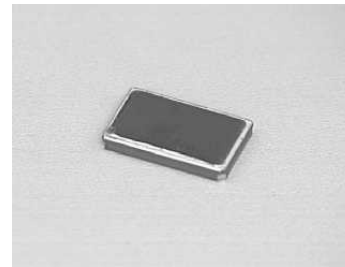


Quartz SMD, Ceramic

HC4025

Features:

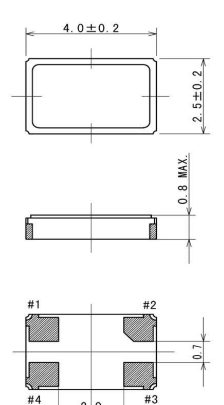
- Application: Bluetooth, wireless LAN
- Ultra-thin and small leadless type
- Automatic mounting is enabled by emboss taping
- Reflow soldering



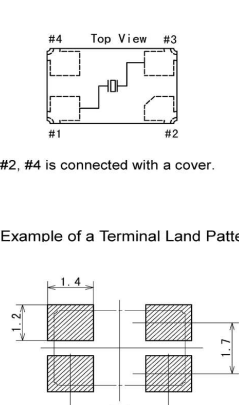
Specifications		Symbol	HC4025	Remarks
Frequency range		f	14.000MHz - 32.000MHz	Fundamental mode
Frequency tolerance, Ta=25°C		f/f	± 10ppm ~ ± 30ppm	Please specify
Load capacitance		C _L	Series, 10pF, 12pF, 16pF	Please specify
Temperature tolerance		f/f	± 10ppm ~ ± 30ppm	Please specify
Temperature range	Storage temperature	T _{STG}	-40°C ~ +85°C	
	Operating temperature	T _{OPR}	-10°C ~ +60°C; -20°C ~ +70°C	Others are offered
Drive level	Maximum drive level	M _{DL}	300 W	
	Recommended drive level	R _{DL}	100 W	
Series resistance		R ₁	As per table	25°C
Shunt capacitance		C ₀	3pF	
Insulation resistance		I _R	500M Ohm	100Vdc
Aging		f _A	±1 ~ ± 3ppm/Year	

Resistance of series resonance (ESR)					
Frequency (MHz)	Mode	Ohm	Frequency (MHz)	Mode	Ohm
14	Fundamental	80	26	Fundamental	60
16	Fundamental	80	32	Fundamental	60

Drawing



HC4025



Example of a Terminal Land Pattern

Dimensions in mm

Order key								
Q	- 32.000000M	- HC4025	- 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	HC4025	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 I=-10°C ~ +50°C	pF SR=series	TR=Tape and reel X=Special options

Remarks: All specifications subject to change without notice!