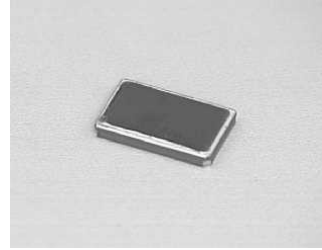


# Quartz SMD, Ceramic

## 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 <sub>L</sub>	Series, 10pF, 12pF, 16pF	Please specify
Temperature tolerance		f/f	± 10ppm ~ ± 30ppm	Please specify
Temperature range	Storage temperature	T <sub>STG</sub>	-40°C ~ +85°C	
	Operating temperature	T <sub>OPR</sub>	-10°C ~ +60°C; -20°C ~ +70°C	Others are offered
Drive level	Maximum drive level	M <sub>DL</sub>	300 W	
	Recommended drive level	R <sub>DL</sub>	100 W	
Series resistance		R <sub>1</sub>	As per table	25°C
Shunt capacitance		C <sub>0</sub>	3pF	
Insulation resistance		I <sub>R</sub>	500M Ohm	100Vdc
Aging		f <sub>A</sub>	±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

#2, #4 is connected with a cover.

Example of a Terminal Land Pattern

Dimensions in mm

Order key								
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q	- 32.000000M	- HC4025	- F	- 30	- 30	- D	- 16	- TR
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!