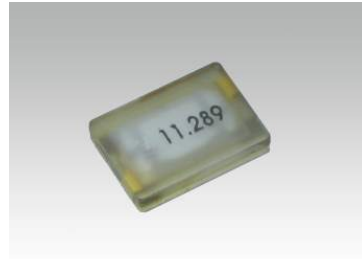


# Quartz SMD



Features:

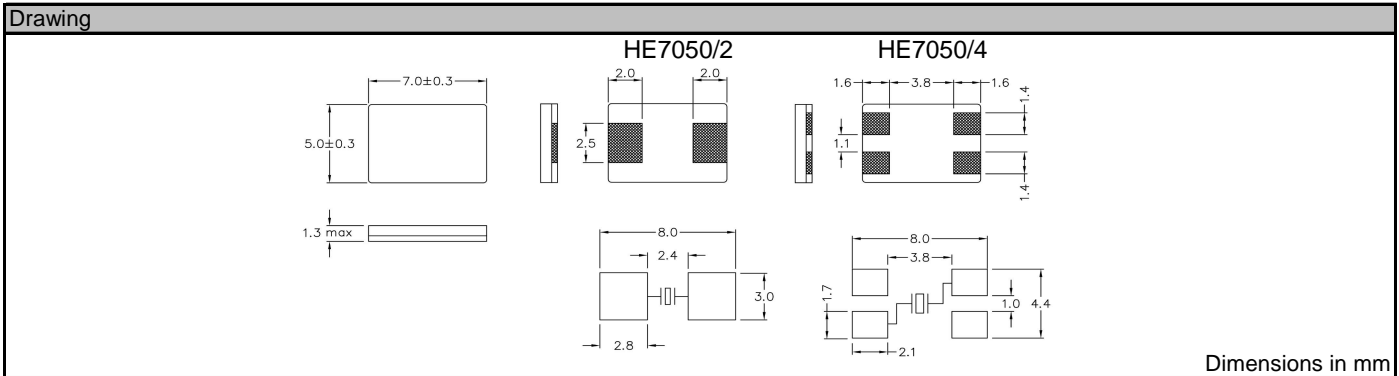
- SMD
- Epoxy resin seal
- Ultra thin profile



**HE7050/2**  
**HE7050/4**

Specifications				
		Symbol	HE7050	Remarks
Frequency range		f	6.000MHz ~ 12.000MHz	Fundamental mode
Frequency tolerance, Ta=25°C		f/f	±10ppm ~ ±50ppm	Please specify
Load capacitance		C <sub>L</sub>	10pF ~ 30pF	Please specify
Temperature tolerance		f/f	±10ppm ~ ±50ppm	Please specify
Temperature range	Storage temperature	T <sub>STG</sub>	-40°C ~ +85°C	
	Operating temperature	T <sub>OPR</sub>	-20°C ~ +70°C	Others are offered
Drive level	Maximum drive level	M <sub>DL</sub>	500µW	
	Recommended drive level	R <sub>DL</sub>	20µW ~ 100µW	
Series resistance		R <sub>1</sub>	As per table	25°C ±3°C
Shunt capacitance		C <sub>0</sub>	7pF	Max
Insulation resistance		I <sub>R</sub>	500M Ohm	Min
Aging		f <sub>A</sub>	±5ppm/Year max	Others are offered

Frequency of series resonance (ESR)						
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm max
6 ≤ f < 12.0	Fundamental	80				



Order key								
Q	- 40.000000M	- HE7050/2	- F	- 30	- 30	- A	- 30	- TR
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz	M=MHz	HE7050/2 HE7050/4	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 E= -40°C ~ +85°C H= -20°C ~ +80°C I = -10°C ~ +50°C	pF SR=series	TR=Tape and reel X=Special options
		/2 = 2 pads /4 = 4 pads						