

## Quartz SMD, Epoxy

### Features:

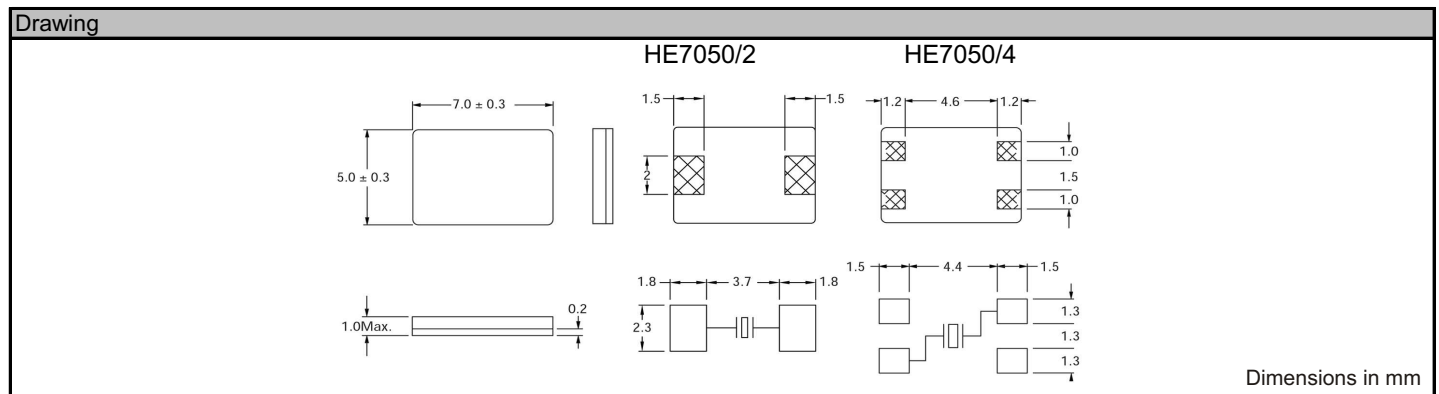
- SMD
- Epoxy resin seal
- Frequency up to 30 MHz
- Ultra thin profile
- RoHS conform



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

Specifications				
		Symbol	HE7050	Remarks
Frequency range		f	6.000MHz ~ 40.000MHz	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>	-30°C ~ +85°C	
	Operating temperature	T <sub>OPR</sub>	0°C ~ +70°C	Others are offered
Drive level	Maximum drive level	M <sub>DL</sub>	500 W	
	Recommended drive level	R <sub>DL</sub>	20 W ~ 100 W	
Series resistance		R <sub>1</sub>	As per table	25°C
Shunt capacitance		C <sub>0</sub>	7pF	Max
Insulation resistance		I <sub>R</sub>	500M Ohm	
Aging		f <sub>A</sub>	± 5ppm/Year max	Others are offered

Resistance of series resonance (ESR)						
Frequency (MHz)	Mode	Ohm		Frequency (MHz)	Mode	Ohm
6 ≤ f < 16	Fundamental	80		16 ≤ f < 40	Fundamental	50



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 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						

Remarks: All specifications subject to change without notice!