

Quartz SMD



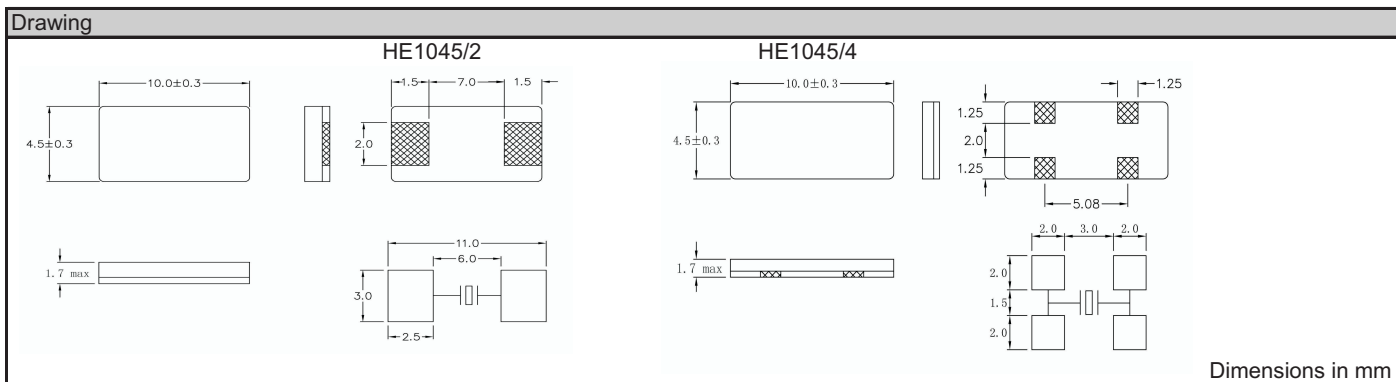
HE1045/2
HE1045/4

Features:

- SMD
- High reliability seam welded seal
- Frequency up to 7 MHz
- Ultra thin profile

Specifications			
	Symbol	HE1045	Remarks
Frequency range	f	3.2768MHz ~ 7.000MHz	Fundamental mode
Frequency tolerance (std.), Ta=25°C	$\Delta f/f$	± 30 ppm	Others are offered
Load capacitance	C _L	10pF - 30pF	Please specify
Temperature tolerance (std.)	$\Delta f/f$	± 30 ppm	Others are offered
Temperature range	Storage temperature	T _{STG}	-40°C ~ +85°C
	Operating temperature	T _{OPR}	-20°C ~ +70°C
Drive level	Maximum drive level	M _{DL}	500μW
	Recommended drive level	R _{DL}	20μW ~ 100μW
Series resistance	R ₁	As per table	25°C $\pm 3^\circ$ C
Shunt capacitance	C ₀	7pF	Max
Insulation resistance	I _R	500M Ohm	Min
Aging	Δf_A	± 5 ppm/Year	Max

Frequency of series resonance (ESR)						
Frequency (MHz)	Mode	Ohm max		Frequency (MHz)	Mode	Ohm
3.2768 <= f < 7.0	Fundamental	80-150				



Order key								
Q	- 4.000000M	- HE1045/2	- 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	HE1045/2 HE1045/4	F=fund.	\pm ppm (25°C)	\pm 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 ~ +70°C H= -20°C ~ +80°C I = -10°C ~ +50°C	pF SR=series	TR=Tape and reel X=Special options