HC-49/US SMD TYPE

■ Application of Crystal

- ► Best choice for mother board
- ► USB
- ► LAN card
- ► Router
- ► Switch

■ Features

- ► Low cost
- ► Industry standard package
- ► High reliability and stability crystal
- ► Wide frequency range and calibration tolerances
- ► available
- ► Rohs compliant / Pb free

Electr ical Specification

NO	Model	HC-49/US SMD
1	Frequency Range	3.579545 ~ 125.000 MHz
2	Frequency Tolerance at 25°C	±5~ ±30 ppm (TYP.)
3	Frequency Stability Over Oper Temp Range	AT ~±5ppm(10°C~60°C) ;~±10ppm(20°C~70°C) ;~±30ppm(40°C~85°C)
4	Operating Temp Range	-10°C~ +60°C,-20°C~ +70°C or customer requirement
5	Load Capacitance	4pF ~ ∞
6	Drive Level	1uW ~ 100uW
7	Insulation Resistance	500MΩ At DC 100V
8	Shunt Capacitance	<5pf
9	Case Material	Low profile type
10	Aging Year	±3ppm (Year)
	Measure Instrument	S&A 250B

Equivalent Ser ies Resistance(ESR) VS Frequency

NO	Frequency (MHz)	Oscillation Mode	HC-49US SMD
1	3.5 ~ 4.00	Fundamental	150~100Ω max.
2	4.0~ 6.00	Fundamental	100~60Ω
3	6.0 ~ 10.0	Fundamental	60~50Ω
4	10.0 ~15.0.	Fundamental	50~30Ω
5	15.0 ~ 35.0	Fundamental	25Ω
6	21.0 ~ 40..0	Fundamental	40Ω
7	25.0 ~ 100.0	3rd overtone	80~60Ω

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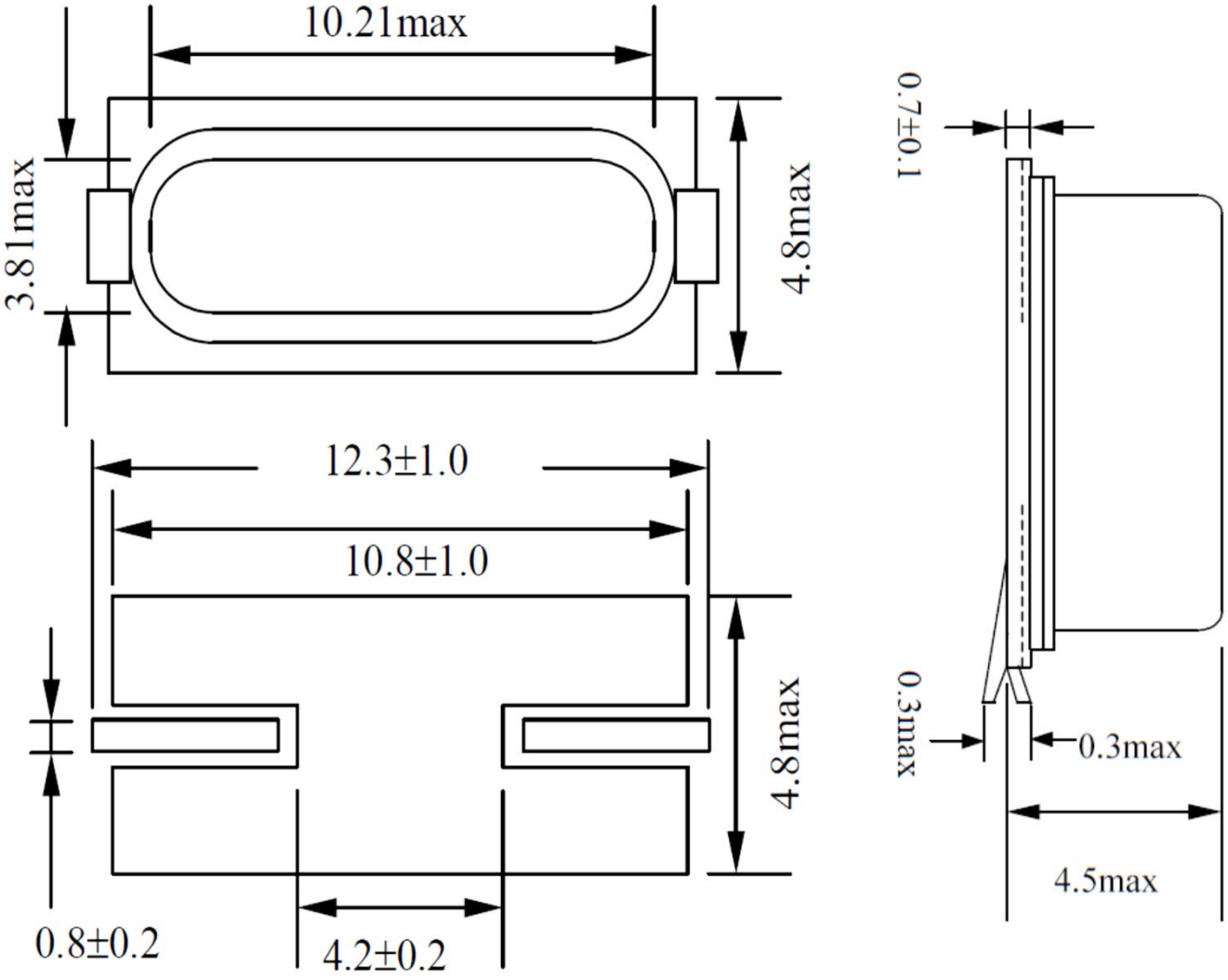
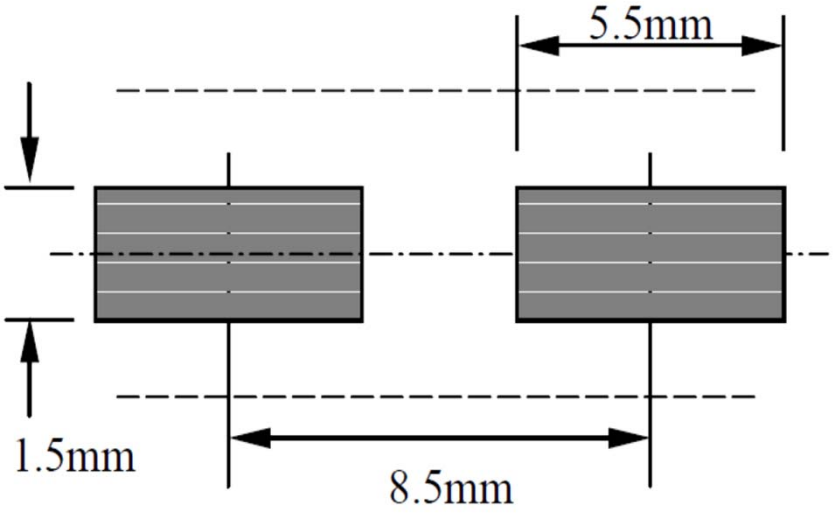
Dimensions (mm):



Land pattern (reference):