Hong Kong Automotive X'tals Limited

HC49US SMD-2 Crystals
49SM Series

Model S2 / S3 / SS / S4   HC49US SMD-2
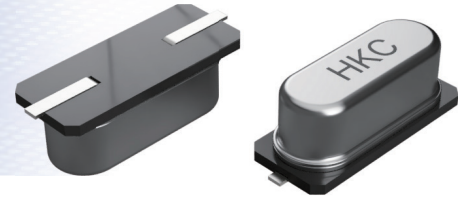
QUARTZ CRYSTALS

Frequency Range : 3.01MHz to 100.00MHz

Features :

- High reliability & low cost unit
- Tight stability & extended temperature available
- Lead-free type
- AEC-Q200 Stress Qualified Component

Standard Specifications

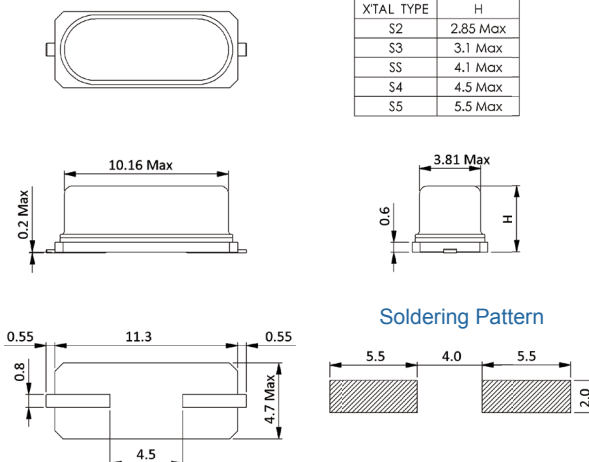| Item	Value	
Frequency Range*	3.01MHz to 100.00MHz	
Frequency Tolerance	±20ppm, ±30ppm (or specify)	
Frequency Tolerance over Temperature range	±50ppm	±100ppm
Operating Temperature Range	-40°C to +85°C	-40°C to +125°C
Operable Temperature Range	-40°C to +130°C	
Drive Level	50uW Typ (300uW Max)	
Load Capacitance	12pF (or specify)	

*: S2 Package starts from 6.00MHz

ESR Table

Frequency Range (MHz)	Standard ESR (Ohm)
3.01 ~ 3.49	300
3.50 ~ 3.99	150
4.00 ~ 4.49	130
4.50 ~ 4.99	110
5.00 ~ 5.99	80
6.00 ~ 6.99	60
7.00 ~ 9.99	50
10.00 ~ 12.99	40
13.00 ~ 50.00	30
26.00 ~ 100.00 (3O/T)	100

Dimension

X'TAL TYPE	H
S2	2.85 Max
S3	3.1 Max
SS	4.1 Max
S4	4.5 Max
S5	5.5 Max

10.16 Max
0.2 Max
3.81 Max
0.6
H
0.55 11.3 0.55
0.8
4.7 Max
4.5

Soldering Pattern
5.5   4.0   5.5
2.0