

### Features SMD Metal-Series

- Low profile available
- Wide frequency range
- Tight tolerance and stability over temperature
- Tape and reel packaging

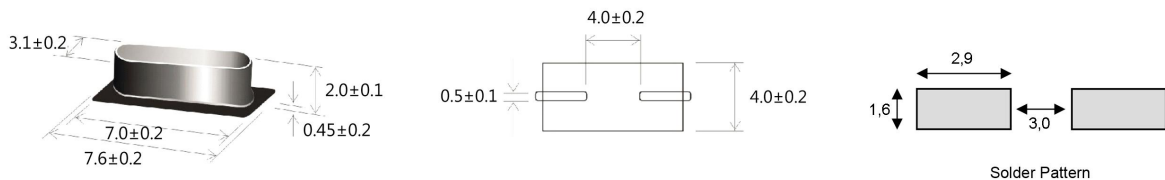


### HC49S7SMD

#### Specification

Type	HC49S7SMD	ESR (max.)
Frequency Range fundamental	8,0MHz ~ 50,0 MHz (AT cut)	8,0MHz ~ 15,0MHz = 60 Ohm
Frequency Range over tone	-	15,1MHz ~ 20,0MHz = 50 Ohm
Frequency Tolerance at 25°C±5°C	standard ±30ppm; available ±10 ~ ±50ppm	20,1MHz ~ 50,0MHz = 40 Ohm
Temperature Range	0°C ~ +70°C, or order code	
Load Capacitance CL	standard 12pF; available 10pF ~ 50pF, SR	
Shunt Capacitance C0	7pF	
Aging	±5ppm/year max	
Storage Temperature	-55°C - +125°C	Temp. Tolerance (ppm)
Drive Level	100uW max.	-20°C ~ +70°C standard ±30 available ±10 ~ ±50
RoHS	compliant	-40°C ~ +85°C standard ±50 available ±10 ~ ±50
Contents Of Reel	3000 pcs	-40°C ~ +125°C standard ±100 available ±70 ~ ±150

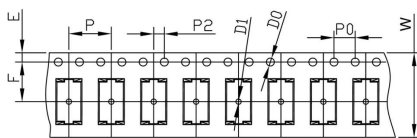
#### Drawing (mm)



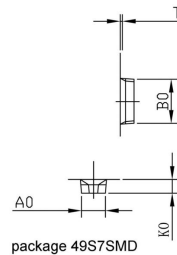
Solder Pattern

#### Tape dimension (mm)

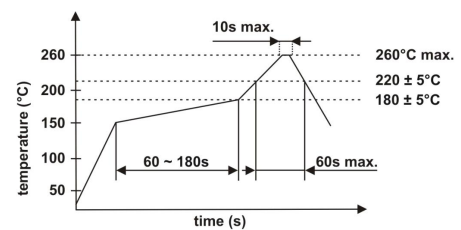
#### Soldering profile



16.00	4.50	8.35	2.60	0.00	1.75	7.50	8.00	4.00	2.00	1.50	1.50	0.35
±0.30	±0.10	±0.10	±0.10	±0.05	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.05
W	A0	B0	K0	K1	E	F	P	P0	P2	D0	D1	T



package 49S7SMD



#### Order code

Q	- 20.000000M	- HC49S7SMD	- F	- 30	- 50	- D	- 12	- TR
Part	Frequency	Package	Mode of oscillation	Frequency tolerance	Temperature tolerance	Temperature range	Load capacitance	Option
Q=Quartz	M=MHz	HC49S7SMD	F=fund.	±ppm (25°C)	±ppm (Temp. range)	B= -10°C ~ +60°C D= -20°C ~ +70°C E= -40°C ~ +85°C	12 pF SR=series	TR=Tape and reel X=Special options