

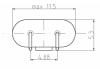
SMD Crystal

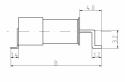
Features

Applications: telecommunications, audio, automotive, instruments

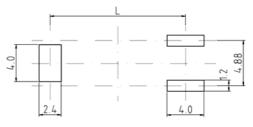
- Reliable hermetic sealed package
- Wide frequency range
- Available as Through Hole or SMD in T&R (1'000 pcs)

| Parameter | Specification | |
|------------------------------------|--|---|
| Frequency range | 1 ~ 30 MHz 23 ~ 70 MHz 50 ~ 130 MHz 100 ~ 225 MHz | fundamental 3 rd OT 5 th OT 7 ^{thrd} OT |
| Mode of vibration | AT cut, 3 rd , 5 th , & 7 th OT | |
| Standard frequency | 2.0480; 3.579545; 9.0316; 10.2400; 12.000 MHz | |
| Frequency tolerance | ±5 ~ ± 50 ppm | @ +25 °C |
| Frequency stability | ±5 ~ ± 50 ppm | vs. operating temperature range |
| Aging | ±1 ~ ±3 ppm | 1 st year |
| Load capacitance | series or parallel resonance (CL = 8 ~ 32 pF) | |
| Drive level | 0.1 ~ 0.5 μW | |
| Operating temperature range | -10 ~ +60 °C -40 ~ +85 °C | commercial application industrial application |
| Storage temperature range | -55 ~ +125 °C | |
| Packaging unit | tape & reel | 500 or 1'000 pieces |
| Customer specifications on request | | |



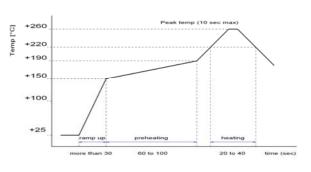


Example for soldering pattern



Do not design any conductive path between the pattern

Example for IR reflow soldering temperature



 Type
 A
 B
 L

 HC-49U MJ
 13.2
 18.6
 17.3



2002/95/EC RoHS compliant

QuartzCom AG sales@quartzcom.com www.quartzcom.com QuartzCom Asia sales-asia@quartzcom.com QuartzCom USA sales-usa@quartzcom.com

