

Q70502 Series

ROHS available

& Feature:

Compact unit for surface mount

Able to by means of a metal case and completely sealed high solution characteristics

Copes with high density mounting and is the optimum for mass production

& Electrical Specifications

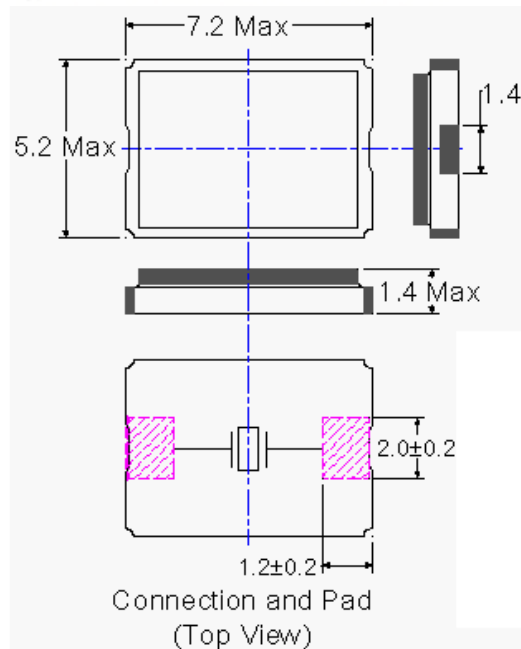
Frequency Range	6.000~100.00MHz
Oscillation mode	Fundamental, 3 rd , 5 th overtone
Operating temperature range	-10~+60℃, -20~+70℃, -40~+85℃
Storage temperature range	-40~+125℃
Frequency tolerance	±10PPM, ±20PPM, ±30PPM at 25±2℃
Freq. Temp characteristics	±50PPM -20~+70℃ Typical
Load capacitance	20pF for specify
Equivalent series resistance	See below table
Parallel capacitance (Co)	7PF Max
Drive level	100 μW
Insulation resistance	More than 500MΩ AT DC100V

& Frequency/ESR

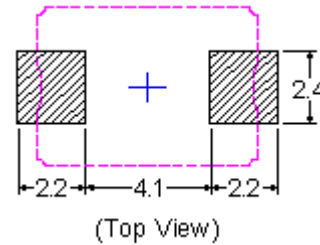
Frequency range(MHz)	Max ESR (Ω)	Mode
6.000~15.999	50	Fund
16.000~32.000	35	Fund
30.000~44.999	80	3 rd
45.000~89.999	70	3 rd
90.000~100.000	75	3 rd

& Dimension:

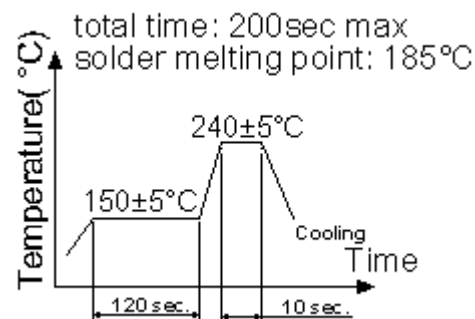
● Dimensions (UNIT: mm)



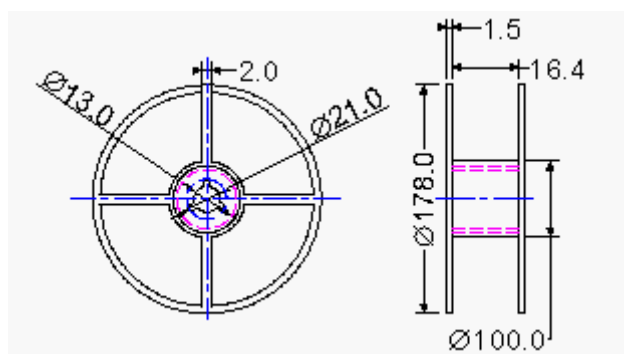
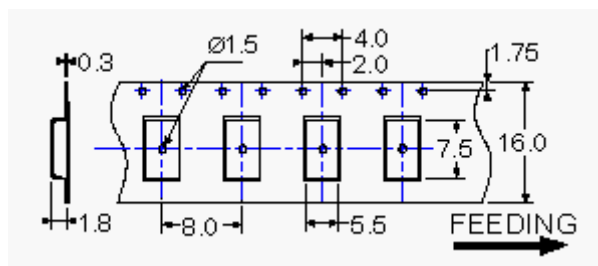
● Reference Land Pattern



● Reflow Condition (example)



● Packing



Quartz Crystal

Seam Sealed Ceramic 7×5mm SMD



Part number:

Q70502	12.000	20	50	40	A	50
Model type: 5×7mm 2pin	Frequency 12.000: 12.000MHz	Load capa. 20: 20pF	Frequency tolerance: 50:±50ppm 25:±25ppm	ESR: 40:40Ω	Temperature range: A:-10~+70□ B:-20~+70□ C:-40~+85□	Frequency stability: 50:±50ppm 25:±25ppm

F
Oscillate mode F: Fundamental 3: 3 rd overtone 5: 5 th overtone