

Q60354 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	7.000~100.00MHz
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	20pFor 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

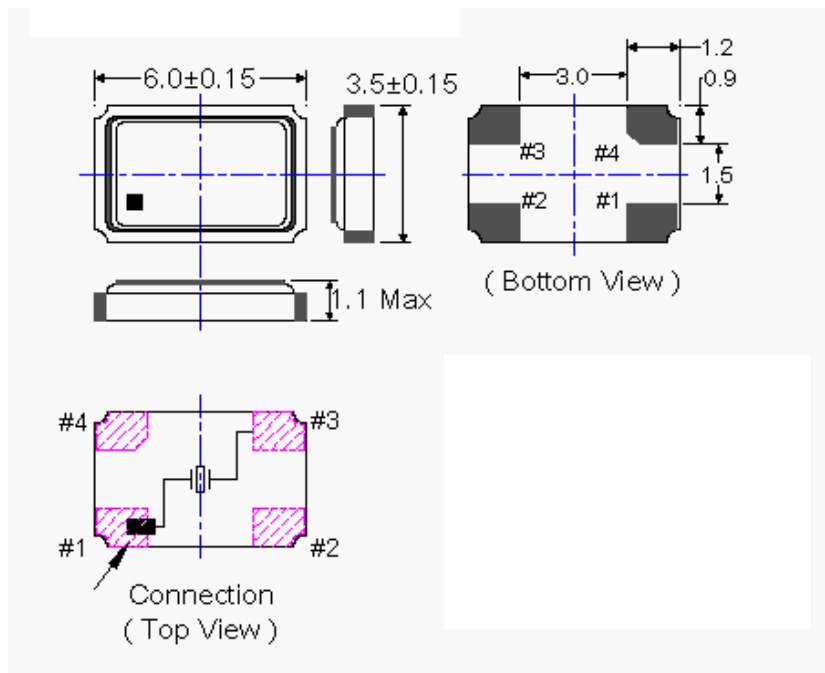
Frequency range(MHz)	Max ESR (Ω)	Mode
7.000~10.000	70	Fund
10.000~30.000	40	Fund
30.000~45.000	60	3 rd
45.000~100.000	50	3 rd

Quartz Crystal

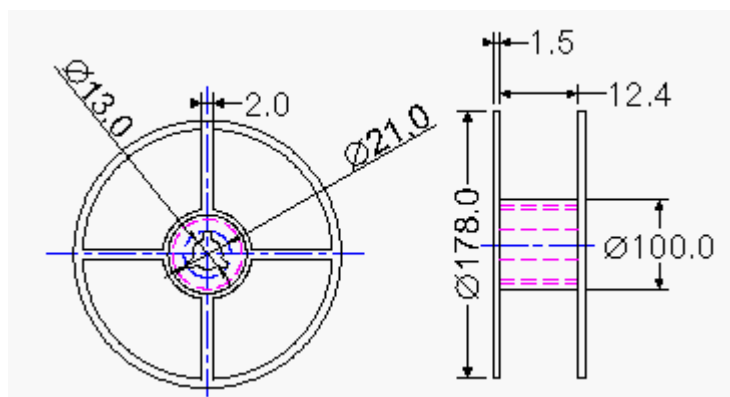
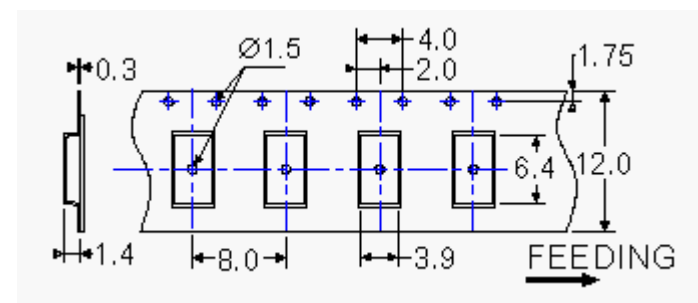
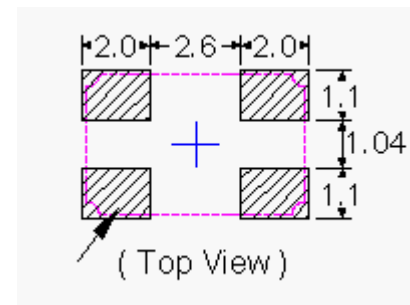
Seam Sealed Ceramic 6×3.5mm SMD



& Dimension:



Reference land pattern



Quartz Crystal

Seam Sealed Ceramic 6×3.5mm SMD



Part number:

Q60354	12.000	20	50	40	A	50
Model type: 6×3.5mm 4pin	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