

QM 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

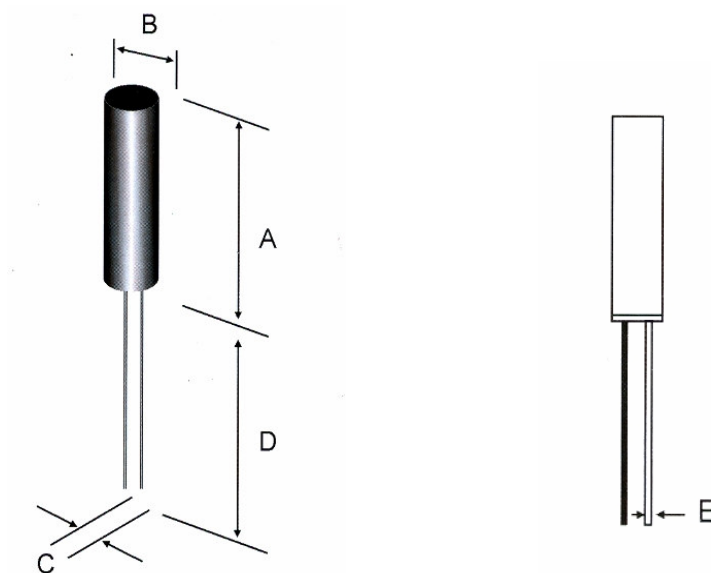
& Electrical Specifications

Frequency Range	4.000~100.00MHz
Oscillation mode	Fundamental, 3 rd , 5 th , 7 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	±30PPM -20~+70℃ Typical
Load capacitance	20pF for specify
Equivalent series resistance	See below table
Parallel capacitance (Co)	7PF Typ.
Drive level	100 μW
Insulation resistance	More than 500MΩ AT DC100V

& Frequency/ESR

Frequency range(MHz)	Max ESR (Ω) Max.	Mode
4.000~6.999	100	Fund
7.000~9.999	60	Fund
10.000~13.999	50	Fund
14.000~19.999	40	Fund
20.000~23.999	100	3 rd
24.000~34.999	30	3 rd
35.000~100.000	80	3 rd

& Dimension:



MODEL	A	B	C	D	E
2×6mm	6.3	1.95	0.7	7.0	0.2
3×8mm	8.3	3.1	1.1	10.0	0.3
3×9mm	9.3	3.1	1.1	10.0	0.3
3×10mm	10.1	3.1	1.1	10.0	0.3

Part number:

QM6	12.000	20	50	40	A	50
Model type: QM6: 2×6 QM8: 3×8 QM9: 3×9 QM10: 3×10	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