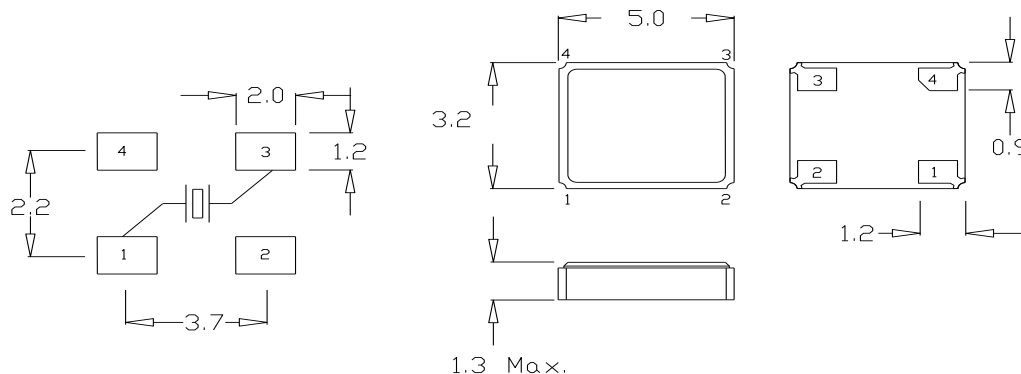


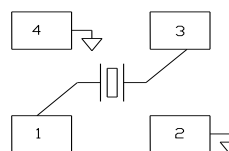
STANDARD SPECIFICATIONS													
Frequency Range	8 MHz to 150 MHz												
Vibration Mode	Fundamental												
Frequency Tolerance (25°C)	± 50 ppm Standard (see Crystal Part Number Guide for more details)												
Load Capacitance (CL)	18pF Standard (see Crystal Part Number Guide for more details)												
Equivalent Series Resistance (E.S.R.)	See Table												
Aging (First Year @ 25°C)	±5 ppm/year max												
Frequency Stability over Operating Temperature	± 100 ppm Standard (see Crystal Part Number Guide for more details)												
Drive Level	10µW~100µW												
Operating Temperature Range	0°C ~+70°C Standard (see Crystal Part Number Guide for more details)												
Storage Temperature Range	-40 °C ~+85 °C Standard												
Ordering Instructions (see Crystal Part Number Guide for more details)													
Example: QVS Part # = QCM40-21AF18-20.000													
QCM40 -	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">±50ppm(@ 25°)</td> <td style="text-align: center;">±100ppm(Over Temp)</td> <td style="text-align: center;">0°C~+70°C</td> <td style="text-align: center;">Fundamental</td> <td style="text-align: center;">Load Cap.</td> <td style="text-align: center;">Freq.</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">A</td> <td style="text-align: center;">F</td> <td style="text-align: center;">18pF</td> <td style="text-align: center;">-20.000MHz</td> </tr> </table>	±50ppm(@ 25°)	±100ppm(Over Temp)	0°C~+70°C	Fundamental	Load Cap.	Freq.	2	1	A	F	18pF	-20.000MHz
±50ppm(@ 25°)	±100ppm(Over Temp)	0°C~+70°C	Fundamental	Load Cap.	Freq.								
2	1	A	F	18pF	-20.000MHz								

See Engineering-Technical Info for Solder Re-flow and Tape and Reel Specs

Recommended pad layout



Connection Diagram



Dimension Units: mm

QVS TECH INC

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email: sales@qvstech.com

Specifications subject to change without notice (Rev C)