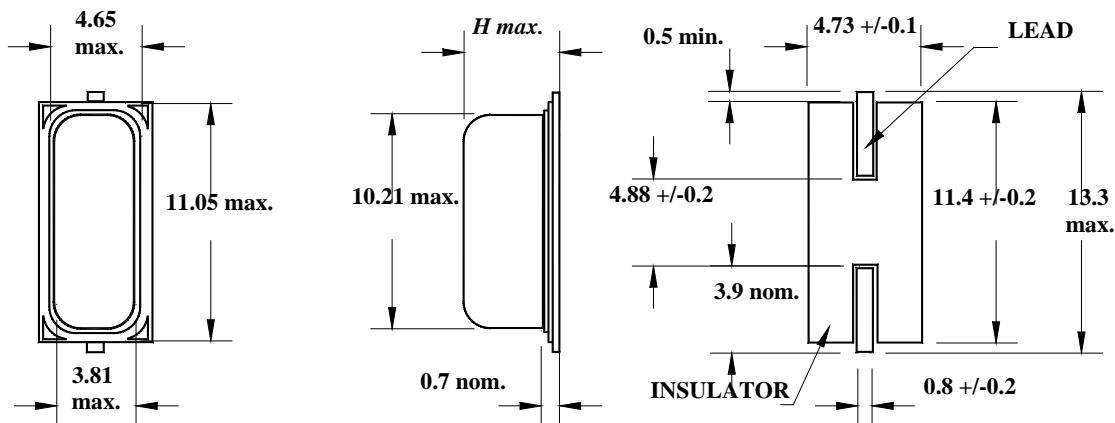


STANDARD SPECIFICATIONS										
Frequency Range (MHz)	3.2~3.5	3.51~4	4.01~5	5.01~6	6.01~7	7.01~9	9.01~13	13.01~20	20.01~30	27.01~100
Frequency Tolerance (25°C)	± 50ppm Standard (see Crystal Part Number Guide for more details)									
Crystal Cut	AT Cut (Standard) or BT Cut									
Load Capacitance (CL)	18pF Standard (see Crystal Part Number Guide for more details)									
Shunt Capacitance (Co)	7pF Max									
Equivalent Series Resistance (Ω)	300	200	150	120	100	80	60	40	30	3 <sup>rd</sup> OT 100
Drive Level	1mW Max									
Aging	± 5 ppm max/ year									
Frequency Stability Over Temp.	±100ppm Standard (see Crystal Part Number Guide for more details)									
Operating Temperature Range	0 °C ~+70 °C Standard (see Crystal Part Number Guide for more details)									
Storage Temperature Range	-40 °C ~+85 °C Standard									
<b>Ordering Instructions (see Crystal Part Number Guide for more details)</b>										
<b>Example: QVS Part # = QVS49P-21AF18-20.000</b>										
QVS49P-	±50ppm(@ 25°)	±100ppm(Over Temp)	0°C ~ +70°C	Fundamental	Load Cap.	Frequency				
	2	1	A	F	18pF	-20.000MHz.				

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

### DIMENSIONS: in mm

	<i>H max.</i>
QVS49P	4.5
QVS49P2	3.5
QVS49P3	3.1



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