

# QVSU5/QVSU5S Series

## Thru-Hole/SMD Crystals

STANDARD SPECIFICATIONS		10.0 ~ 14.9	Fundamental	60
Frequency Range	7.000-160.000MHz	15.0 ~ 30.0	Fundamental	50
Crystal Cut	AT (Standard) or BT	25.0 ~ 29.9	3rd OT	80
Mode of Vibration	Fundamental, 3rd OT, 5th OT	30.0 ~ 49.9	3rd OT	60
Frequency Tolerance (25 °C)	±30ppm (Standard)	50.0 ~ 100.0	3rd OT	60
Load Capacitance (CL)	18pF Standard	75.0 ~ 160.0	5th OT	90
Shunt Capacitance(C <sub>0</sub> )	7 pF max (Standard)			
Insulation Resistance	500MΩ min / DC 100V			
Frequency Stability	±50ppm (Standard)			
Aging	±5ppm / year max			
Drive Level (μW)	30nW-1mW			
Operating Temp. Range	0°C to +70°C (Standard)			
Storage Temperature Range	-40°C ~+85°C Standard			

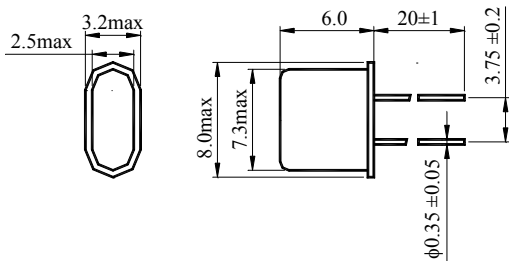
### Ordering Instructions (see Crystal Part Number Guide for more details)

**Example: QVS Part # = QVSU5-52AFI18-20.000**

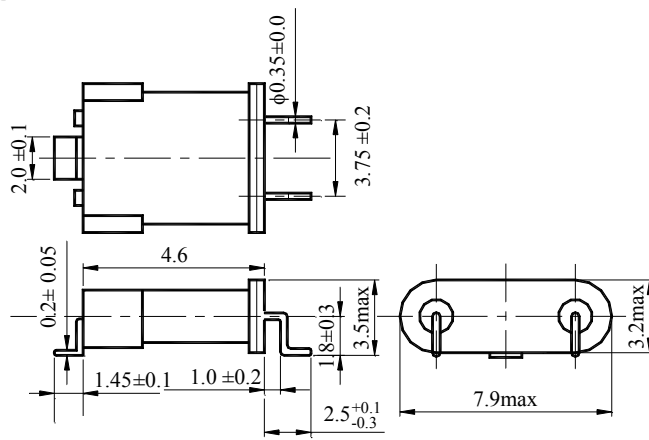
QVSU5-	±30ppm(@ 25°)	±50ppm(Over Temp)	0°C~+70°C	Fundamental	Insulator Tab	Load Cap.	Freq.
	5	2	A	F	I	18pF	-20.000MHz

### DIMENSIONS(Unit:mm)

#### QVSU5



#### QVSU5S



### EQUIVALENT SERIES RESISTANCE (E.S.R.)

Frequency (MHz)	Vibration mode	Ω ohms
7.0 ~ 9.9	Fundamental	100

### QVS TECH INC

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Specifications subject to change without notice (Rev A)