



Crystal Part Number Guide - Appendix A

<p>1. Crystals, Thru-Hole</p> <p>QVS49S QVS49S2 QVS49S3 QVSU1 QVSU4 QVSU5 QVS15(1x4.5mm) Cylindrical QVS26(2x6 mm) Cylindrical QVS38(3x8 mm) Cylindrical QVS39 (3x9 mm) Cylindrical</p>	<p>1. Crystals, SMD</p> <p>QPM QPM2 QPM25A QCM Series QVS49P QVS49P2 QVS49P3 QVS49P4 QVS49P8 QVSU1S (SMD) QVSU4S (SMD) QVSU5S (SMD) QV3R QV3X QV3Y QV3Z</p>	<p>2. Frequency Tolerance @ 25°C</p> <p>1 = ±100 ppm 2 = ±50 ppm 3 = ±40 ppm 4 = ±35 ppm 5 = ±30 ppm 6 = ±25 ppm 7 = ±20 ppm 8 = ±15 ppm 9 = ±10 ppm 0 = ±5 ppm</p>	<p>3. Frequency Stability Over Temperature</p> <p>1 = ±100 ppm 2 = ±50 ppm 3 = ±40 ppm 4 = ±35 ppm 5 = ±30 ppm 6 = ±25 ppm 7 = ±20 ppm 8 = ±15 ppm 9 = ±10 ppm 0 = ±5 ppm</p>																
<p>4 Operating Temperature Range</p> <p>A = 0°C ~ +70°C B = -10°C ~ +60°C C = -20°C ~ +70°C D = -40°C ~ +85°C E = 0°C ~ +50°C F = 0°C ~ +60°C G = -30°C ~ +70°C H = -20°C ~ +85°C I = -40°C ~ +105°C</p>	<p>5. Operation Mode</p> <p>F = Fundamental 3 = 3rd Overtone 5 = 5th Overtone 7 = 7th Overtone 9 = 9th Overtone</p>	<p>6. Options</p> <p>I = Insulator Tab V = Vinyl Sleeve T = Tape and Reel</p>	<p>7. Load Capacitance</p> <p>S = Series 6 = 6 pF 10 = 10 pF 12 = 12 pF 18 = 18 pF 20 = 20 pF 22 = 22 pF 30 = 30 pF 32 = 32 pF 50 = 50 pF Other * pF (Specify)</p>																
<p>8. Frequency Ranges Check reference pages to verify availability of frequency</p>																			
<p>Example: QVS49S-52AFI18-20.000</p> <table border="0"> <tr> <td></td> <td>±30ppm(@ 25°)</td> <td>±50ppm(Over Temp)</td> <td>0°C~+70°C</td> <td>Fundamental</td> <td>Insulator Tab</td> <td>Load Cap.</td> <td>Freq.</td> </tr> <tr> <td>QVS49S-</td> <td>5</td> <td>2</td> <td>A</td> <td>F</td> <td>I</td> <td>18pF</td> <td>-20.000MHz</td> </tr> </table>					±30ppm(@ 25°)	±50ppm(Over Temp)	0°C~+70°C	Fundamental	Insulator Tab	Load Cap.	Freq.	QVS49S-	5	2	A	F	I	18pF	-20.000MHz
	±30ppm(@ 25°)	±50ppm(Over Temp)	0°C~+70°C	Fundamental	Insulator Tab	Load Cap.	Freq.												
QVS49S-	5	2	A	F	I	18pF	-20.000MHz												

QVS TECH INC
 6965 El Camino Real, Ste 105 Carlsbad, CA 92009 Phone: 760-929-8677 Fax: 760-929-8077
 Email: sales@qvstech.com

Specifications subject to change without notice (Rev C)