



Crystal Part Number Guide

<p>1. Crystals - Thru-Hole & (SMD)</p> <p>QVS49U QVS49T QVS49S, S2, S3 QVSU1, 1N QVSU1S (SMD) QVSU4 QVSU4S (SMD) QVSU5 QVSU5S (SMD) QVS15(1x4.5mm) Cylindrical QVS26(2x6 mm) Cylindrical QVS38(3x8 mm) Cylindrical QVS39(3x9 mm) Cylindrical</p>	<p>1. Crystals SMD</p> <p>QVS49P, P2, P3 QVS49P4, P8 QPM2 QPM25A QCM Series 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 X = parabolic curve (see data sheet)</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</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>L = Third Lead = 12.7mm M = Third Lead = 21.5mm I = Insulator Tab V = Vinyl Sleeving 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 align="center">8. Frequency Ranges Check reference pages to verify your frequency</p>																	
<p align="center">Example: QVS49U-52AFI18-20.000</p> <table border="0"> <tr> <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>QVS49U-</td> <td>5</td> <td>2</td> <td>A</td> <td>F</td> <td>I</td> <td>18pF -20.000MHz</td> </tr> </table>				±30ppm(@ 25°)	±50ppm(Over Temp)	0°C~+70°C	Fundamental	Insulator Tab	Load Cap.	Freq.	QVS49U-	5	2	A	F	I	18pF -20.000MHz
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