Crystal Part Number Guide - Appendix A

1. Crystals, Thru-Hole	1. Crystals, SMD	2. Frequency Tolerance @ 25°C	3. Frequency Stability Over Temperature
QVS49S QVS49S2 QVS49S3 QVSU1 QVSU4 QVSU5 QVS15(1x4.5mm) Cylindrical QVS26(2x6 mm) Cylindrical QVS38(3x8 mm) Cylindrical QVS39 (3x9 mm) Cylindrical	QPM QPM2 QPM25A QCM Series QVS49P QVS49P2 QVS49P3 QVS49P4 QVS49P8 QVSU1S (SMD) QVSU4S (SMD) QVSU5S (SMD) QV3R QV3X QV3Y QV3Z	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	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 A =+150 ppm

4 Operating Temperature Range	5. Operation Mode	6. Options	7. Load Capacitance
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 J = -40°C ~ +150°C K= -40°C ~ +125°C	F = Fundamental 3 = 3rd Overtone 5 = 5th Overtone 7 = 7th Overtone 9 = 9th Overtone	I = Insulator Tab V = Vinyl Sleeving T = Tape and Reel	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)

8. Frequency Ranges
Check reference pages to verify availability of frequency

Example: QVS49S-52AFI18-20.000

	±30ppm(@ 25°)	±50ppm(Over Temp)	0°C~+70°C	Fundamental	Insulator Tab	Load Cap.	Freq.
QVS49S-	**5**	**2**	**A**	**F**	**I**	**18pF**	**-20.000MHz**

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