Model Numbering Guide –
High Precision Crystal Units

Available options

Type	Package (mm)	Load Capacitance (pF)	Frequency Tolerance vs. LTP, UTP (ppm)	Aging (after 30 days) (ppb)	Temp. Range(°C)	Special Requirement	Oscillator Mode	Appearance	Marking	Dash	Freq. (MHz)
X: X'tal	5: HC-45U 6: HC-35U (TO-5) 7: HC-37U (TO-8) 8: HC-43U H: UM1	C: 10 D: 12 G: 18 H: 20 I: 30 P: 22 Q: 25 M: 12.5 S: Series	A: ±0.5 B: ±1.0 C: ±2.0 D: ±2.5 E: ±3.0 F: ±4.0 G: ±5.0 H: ±10 P: ±1.5	A: ±0.5 B: ±1.0 C: ±2.0 D: ±2.5 E: ±3.0 F: ±4.0 G: ±5.0 H: ±10 P: ±1.5	C: +70~+80 D: +80~+90 E: +90~+100 F: +20~+30 G: +75~+85 H: +80~+92 I: +80~100 J: +85~100 K: +90~103	N: No Special Requirement Q: Q Value Requested O: For OCXO (SMD Crystal)	G: SC Fundamental H: SC 3rd Overtone I: SC 5th Overtone J: SC 7th Overtone	G: HC-37U LP N: None (Normal) V: 3-Pads SMD Y: Channel ID	D: Lead-Free, Laser and Not TTE Standard Marking G: Lead-Free, Ink and TTE Standard Marking F: Lead-Free, Laser and TTE Standard Marking O: Lead-Free, No Marking Y: Channel ID	–	XX.XXXXXX
K: X'tal	L: HC-40U E: SMD8X8										

X 5 H G G J N I N F – 100.000000

*Not all combinations of options are available.

Example: X5HGGJNINF-100M

Type	X'tal
Package	HC-45U
Load Capacitance	20 pF
Freq. Tol.	±5.0ppm
Aging (after 30 days)	±5.0ppb
Temp Range	+85~100 °C
Special Requirement	No Special Requirement
Oscillator Mode	SC 5th Overtone
Appearance	Normal Appearance
Lead Free	RoHS Compliant
Frequency	100.000000 MHz