

Model Numbering Guide – Crystal Oscillator

Available options

Type	package (mm)	Supply Voltage(V)	Tri-State Function	Freq. Stability (ppm)	Temp. Range(°C)	Output Logic and Symmetry	Oscillator Mode	Appearance	Lead Free	Dash	Freq. (MHz)
O: Oscillator	3: 1.6 x 1.2 Z: 2.0 x 1.6 Y: 2.5 x 2.0 X: 3.2 x 2.5 V: 5.0 x 3.2 C: 7.0 x 5.0	E: 2.8/3.0/3.3 J: 2.5 K: 1.8 P: 1.5 L: 1.2/1.25 M: 0.9 Q: 1.0 X: Un-programmed	B: High Precision I: Low Power or Low Current T: Fixed-Freq with Tri-State M: Multiplier Freq with Tri-State (only for V/C package) U: Ultra Low Noise design D: Ultra Low Current	A: ±5 B: ±10 P: ±15 C: ±20 D: ±25 E: ±30 F: ±40 G: ±50 H: ±100 K: ±3 L: ±12	E: 0~+85 I: -10~+60 C: -20~+70 D: -30~+85 L: -40~+85 J: -40~+105 H: -40~+125 F: -55~+125	J: CMOS 15pF / 50±5% K: CMOS 15pF / 50±10%					
P: Programmable Oscillator	Z: 2.05 x 1.65 Y: 2.5 x 2.0 X: 3.2 x 2.5 V: 5.0 x 3.2 C: 7.0 x 5.0	E: 2.8/3.0/3.3 J: 2.5 K: 1.8 X: Un-programmed	P: Un-programmed T: Fixed-Freq with Tri-State U: Low Noise	C: ±20 D: ±25 G: ±50 H: ±100 Z: over 150ppm	I: -10~+60 C: -20~+70 D: -30~+85 L: -40~+85 J: -40~+105 H: -40~+125	J: CMOS 15pF / 50±5%	A: AT Fundamental T: AT 3rd Overtone Not Selectable by Customer	N: Normal Y: Channel ID K: Plastic molding	F: RoHS Compliant O: No Marking Y: Channel ID	-	XX.XXXXXX
O: Oscillator (Differential Output)	A: 3.2 x 2.5 W: 5.0 x 3.2 T: 7.0 x 5.0	E: 3.3 J: 2.5 X: Un-programmed	T: Input to pin 2 (std.) R: Input to pin 1 (case by case) Ultra Low Jitter U: Pin2 Tri-state W: Pin1 Tri-state	D: ±25 G: ±50 H: ±100 Z: over 150ppm		L: LVPECL / 50±5% V: LVDS / 50±5% H: HCSSL / 50±5%					
O: Oscillator (Fast Delivery series)	B: 2.5 x 2.0 N: 2.5 x 2.0 M: 3.2 x 2.5 A: 3.2 x 2.5 J: 5.0 x 3.2 W: 5.0 x 3.2 D: 7.0 x 5.0 T: 7.0 x 5.0	E: 3.3 J: 2.5 K: 1.8 X: Un-programmed	M: Multiplier Freq with pin 2 Tri-State N: Multiplier Freq. with PIN 1 Tri-State P: With Tri-State Frequency Selection Function Ultra Low Jitter U: Pin2 Tri-state W: Pin1 Tri-state	D: ±25 G: ±50 H: ±100		H: HCSSL / 50±5% J: CMOS 15pF / 50±5% L: LVPECL / 50±5% M: CML V: LVDS / 50±5%					

O Y E T C C J A N F – 13.000000

*Not all combinations of options are available.

Example: OYETCCJANF-13.000000

Type	Oscillator
Package	2.5 x 2.0 mm
Supply Voltage(V)	3.3 V
Tri-State	Fixed-Freq.
Freq. Stability	±20ppm
Temp Range	-20~+70 °C
Output	CMOS 15 pF / Symmetry 50±5%
Oscillator Mode	AT Fundamental
Appearance	Normal Appearance
Lead Free	RoHS Compliant
Frequency	13.000000 MHz