



## BX22 SERIES CRYSTAL - 2.5 x 2.0 x 0.65mm

Frequency Range	15.000MHz to 50.000MHz
Overtone	Fundamental
Motional Resistance (ESR)	See Table Below
Load Capacitance (CL)	Standard (9pF,10pF,12pF) User Spec
Shunt Capacitance	7pF max
Drive Level (DL)	10μW(Standard), 100μW max
Frequency Tolerance (25 °C)	±10 ppm to ±25 ppm
Frequency Stability	±10 ppm to ±50 ppm (See Table Below)
Operating Temperature Range	-20 °C to +70°C or -40 °C to +85°C
Storage Temperature Range	-40 °C to +85°C
Aging	±3 ppm per year max

### MOTIONAL RESISTANCE (ESR)

Frequency (MHz)	15.000 < 25.000	25.001 < 35.000	35.001 < 50.000
CI (Ω)	80	50	40

### PART NUMBERING GUIDE

Series	Tolerance	Temperature Range/Stability	Load	Freq
BX22	±10ppm = 1	-20 °C to +70°C/ ±15ppm = A	09 = 9pF	30M000
	±15ppm = 2	-20 °C to +70°C/ ±20ppm = B	10 = 10pF	
	±20ppm = 3	-20 °C to +70°C/ ±25ppm = C	12 = 12pF	
	±25ppm = 4	-20 °C to +70°C/ ±30ppm = D	XX = Choice pF	
		-20 °C to +70°C/ ±50ppm = E		
		-40 °C to +85°C/ ±15ppm = F		
		-40 °C to +85°C/ ±20ppm = G		
	-40 °C to +85°C/ ±25ppm = H			
	-40 °C to +85°C/ ±30ppm = J			
	-40 °C to +85°C/ ±50ppm = K			

For other Tolerance, Stability, and Temperature options please consult factory

**Example P/N: BX22 – 1 – B – 10 – 30M000**

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### MECHANICAL DRAWING

