



BX49S4 SERIES CRYSTAL - 13.0 x 5.0 x 5.2mm SMD

| | |
|-----------------------------|---|
| Frequency Range | 3.200MHz to 100.000MHz |
| Overtone | Fundamental / 3 rd /BT |
| Mode of Oscillation | 3.200MHz ~ 40.000MHz 24.000 ~ 100.000MHz |
| Operating Temperature Range | -20 °C to +70°C or -40 °C to +85°C |
| Storage Temperature Range | -40 °C to +85°C |
| Frequency Tolerance (25 °C) | ±10 ppm ~ ±50 ppm |
| Frequency Stability | ±10 ppm to ±100 ppm (See Table Below) |
| Load Capacitance (CL) | 6pF ~ Series (User Spec) |
| Shunt Capacitance | 7pF max |
| Drive Level (DL) | 100µW typical (1mW maximum) |
| Aging | ±5 ppm per year max |
| Insulation Resistance | 500MΩ min at 100Vdc ±15V |

MOTIONAL RESISTANCE (ESR)

| Freq MHz | Max ESR | Mode | Freq MHz | Max ESR | Mode |
|-------------|---------|-------|----------------|---------|-------|
| 3.200~3.579 | 250Ω | Fund. | 7.000~9.999 | 60 | Fund. |
| 3.580~3.999 | 180Ω | Fund. | 10.000~13.999 | 50 | Fund. |
| 4.000~4.999 | 120Ω | Fund. | 14.000~40.000 | 40 | Fund. |
| 5.000~5.999 | 100Ω | Fund. | 24.000~34.999 | 100 | 3rd |
| 6.000~6.999 | 80Ω | Fund. | 35.000~100.000 | 80 | 3rd |

PART NUMBERING GUIDE

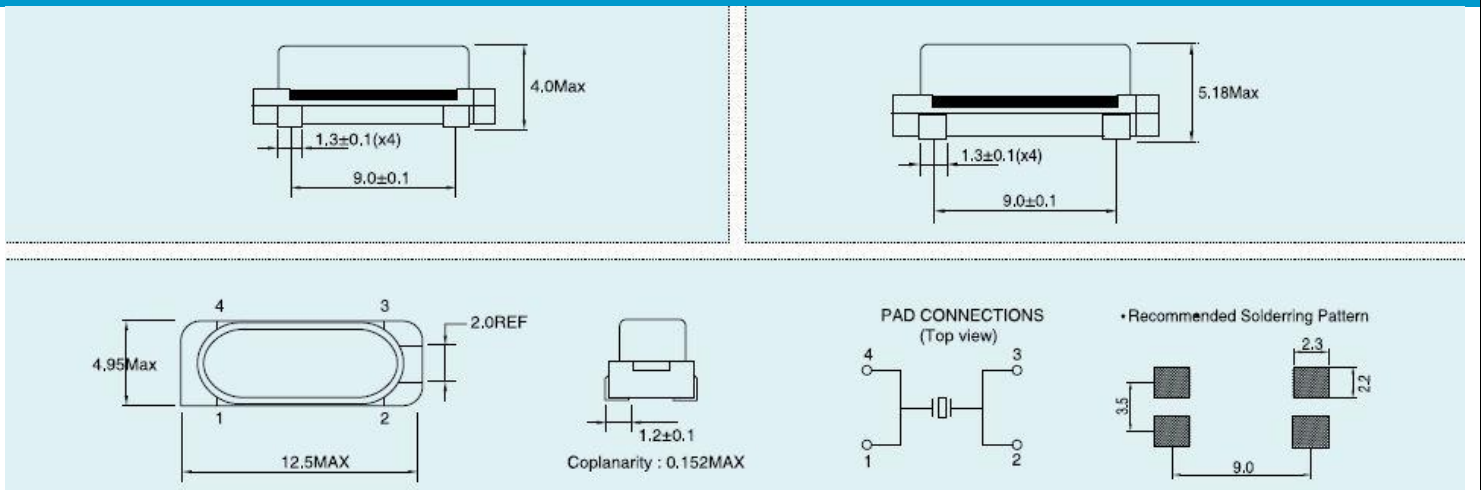
| Series | Tolerance | Temperature Range/Stability | Load | Frequency |
|--------|--|---|---|-----------|
| BX49S4 | ±10ppm = 1 ±15ppm = 2 ±20ppm = 3 ±25ppm = 4 ±30ppm = 5 | -20 °C to +70°C/ ±10ppm = A -20 °C to +70°C/ ±15ppm = B -20 °C to +70°C/ ±20ppm = C -20 °C to +70°C/ ±25ppm = D -20 °C to +70°C/ ±30ppm = E -20 °C to +70°C/ ±50ppm = F -40 °C to +85°C/ ±15ppm = G -40 °C to +85°C/ ±20ppm = H -40 °C to +85°C/ ±25ppm = J -40 °C to +85°C/ ±30ppm = K -40 °C to +85°C/ ±50ppm = L -40 °C to +85°C/ ±100ppm = M | 06 = 6pF 10 = 10pF 12 = 12pF 18 = 18pF XX = Choice pF Series = S | 25M000 |

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

Example P/N: BX49S4 – 1 – C – 12.5 – 25M000

To Request a Quote click here - www.beckelec.com//request-a-quote/

MECHANICAL DRAWING



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