

# IXA10 Series

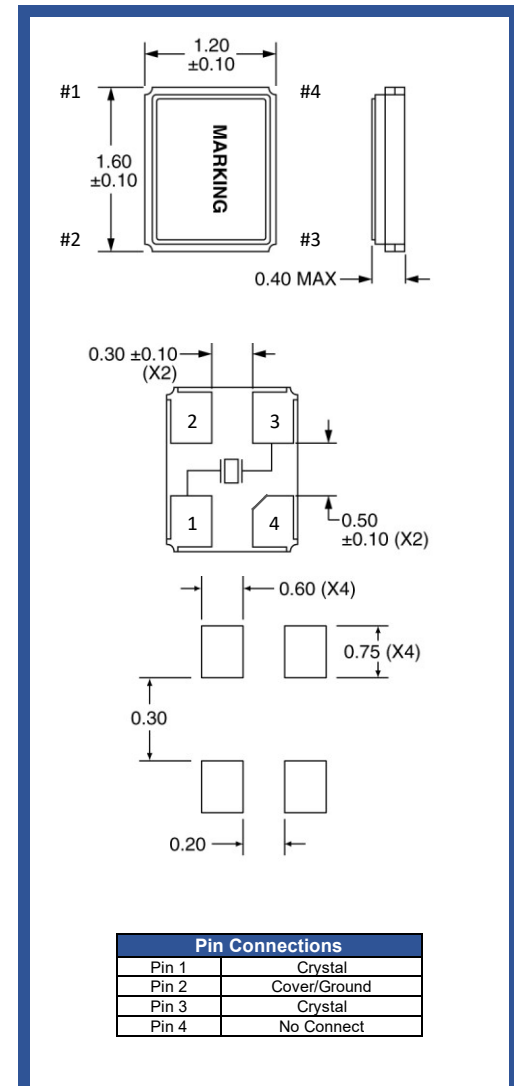
## Product Feature:

AEC-Q200 Qualified  
IATF 16949 certified production lines  
RoHS and REACH compliant  
Suitable for use in harsh environments

## Applications:

Navigation, GPS  
Information System  
Instrument Panel, Ethernet  
ADAS Radar, Camera,  
Engine Control Units  
Lidar Systems TPMS

|                                                                              |                                                        |
|------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Frequency</b>                                                             | 24MHz to 54MHz                                         |
| <b>Equivalent Series Resistance</b><br>24MHz – 39.999999MHz<br>40MHz – 50MHz | 150 Ohms Maximum<br>100 Ohms Maximum                   |
| <b>Shunt Capacitance (C0)</b>                                                | 5pF Maximum                                            |
| <b>Frequency Tolerance (at 25°C)</b>                                         | ±50ppm, ±30ppm, ±25ppm,<br>±20ppm, ±15ppm, or ±10ppm   |
| <b>Frequency Stability (over Temperature)</b>                                | ±100ppm, ±50ppm, ±30ppm, or<br>±20ppm                  |
| <b>Mode of Operation</b>                                                     | Fundamental                                            |
| <b>Crystal Cut</b>                                                           | AT Cut                                                 |
| <b>Load Capacitance</b>                                                      | 8pF to 32pF or Specify                                 |
| <b>Drive Level</b>                                                           | 100µWatts Maximum                                      |
| <b>Aging</b>                                                                 | ±3ppm/Year Maximum                                     |
| <b>Operating Temperature Range</b>                                           | -40°C to +85°C, -40°C to<br>+105°C, or -40°C to +125°C |
| <b>Storage Temperature Range</b>                                             | -50°C to +150°C                                        |



| Part Number Guide |                                     | Sample Part Number: IXA10-FBDF18- 32.000 MHz |                             |                 |                        |              |
|-------------------|-------------------------------------|----------------------------------------------|-----------------------------|-----------------|------------------------|--------------|
| Package           | Tolerance (ppm) at Room Temperature | Stability (ppm) over Operating Temperature   | Operating Temperature Range | Mode (overtone) | Load Capacitance (pF)  | Frequency    |
| IXA10-            | B = ±50 ppm                         | A = ±100 ppm                                 | 5 = -40°C to +85°C          | F = Fundamental | 8pF to 32pF Or Specify | - 32.000 MHz |
|                   | F = ±30 ppm                         | B = ±50 ppm                                  | D = -40°C to +105°C         |                 |                        |              |
|                   | G = ±25 ppm                         | F = ±30 ppm*, **                             | F = -40°C to +125°C         |                 |                        |              |
|                   | H = ±20 ppm                         | H = ±20 ppm*, ***                            |                             |                 |                        |              |
|                   | I = ±15 ppm                         |                                              |                             |                 |                        |              |
|                   | J = ±10 ppm                         |                                              |                             |                 |                        |              |

\* Not available at all frequencies.

\*\* Not available for Operating Temperature Range Option F.

\*\*\* Not available for Operating Temperature Range Option D or F.