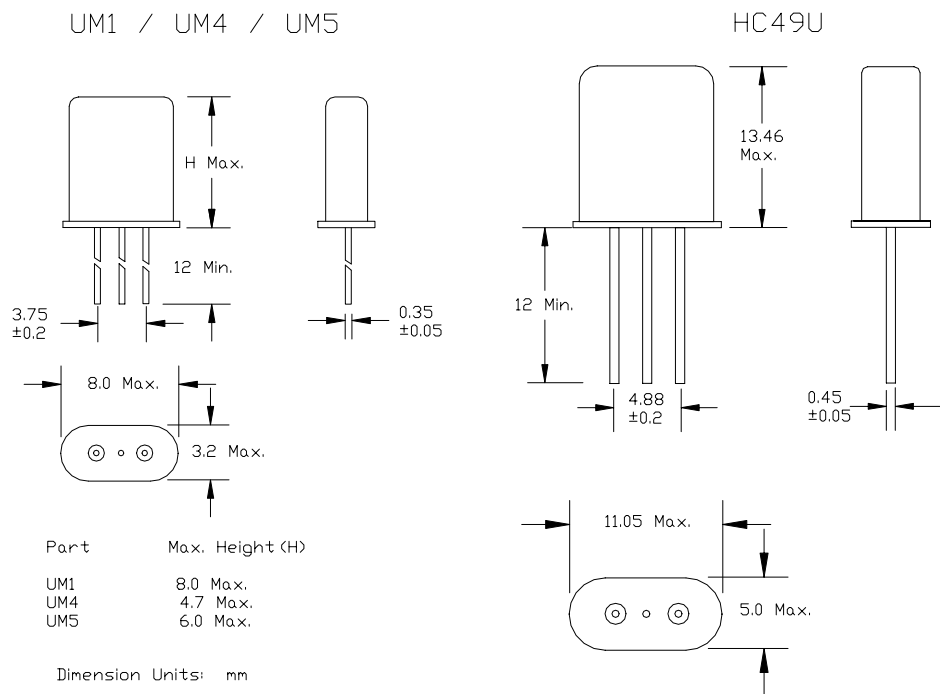




# Crystal Filter 3 Lead Metal Package

IXF Series

|                       |  |
|-----------------------|--|
| Frequency Range (MHz) | 10 MHz to 120 MHz  |
| 3 dB Bandwidth        | ±2 KHz to ±20 KHz, See Table                                 |
| Insertion loss        | 1.5 dB to 6 dB, depends on frequency and number of poles     |
| Ultimate Rejection    | -35 dB to -80 dB, depends on frequency and number of poles   |
| Crystal Cut           | AT Cut   |
| Aging                 | ±5 ppm Max. / Year Standard                                  |
| Temperature           |  |
| Operating             | -20° C to +70° C Standard                                    |
| Storage               | -40° C to +85° C Standard                                    |
| Environmental         | See Appendix B for information                               |
| Package Information   | MSL = N.A., Termination, UM1 = e4    Termination, HC49U = e1 |



Surface mount and filter module packages are also available, contact ILSI America.

| Part Number Guide |                  | Sample Part Number: IXF - 10A15AA |               |              |                                  |           |
|-------------------|------------------|-----------------------------------|---------------|--------------|----------------------------------|-----------|
| Filter            | Frequency **     | Package                           | Bandwidth     | Poles        | Mode                             | Impedance |
| IXF -             | 10 = 10.7 MHz    | A = HC49U                         | 2 = ±2 KHz    | A = 2 Pole   | F = Fundamental                  | **        |
|                   | 21 = 21.4 MHz    | B = UM1                           | 3 = ±3 KHz    | B = 4 Pole * | T = 3 <sup>rd</sup> Overtone *** |           |
|                   | 45 = 45.0 MHz    | C = UM4                           | 4 = ±3.75 KHz | C = 6 Pole * |                                  |           |
|                   | 55 = 55.025 MHz  | D = UM5                           | 6 = ±6 KHz    | D = 8 Pole * |                                  |           |
|                   | 56 = 55.845 MHz  |                                   | 7 = ±7.5 KHz  |              |                                  |           |
|                   | 58 = 58.1125 MHz |                                   | 8 = ±8.5 KHz  |              |                                  |           |
|                   | 70 = 70.000 MHz  |                                   | 15 = ±15 KHz  |              |                                  |           |
|                   | 90 = 90.000 MHz  |                                   | 20 = ±20 KHz  |              |                                  |           |

\* - 2 poles per package, 4 / 6 / 8 poles are matched sets..

\*\* - Contact ILSI America for additional options.

\*\*\* - Available at 30 MHz and above.