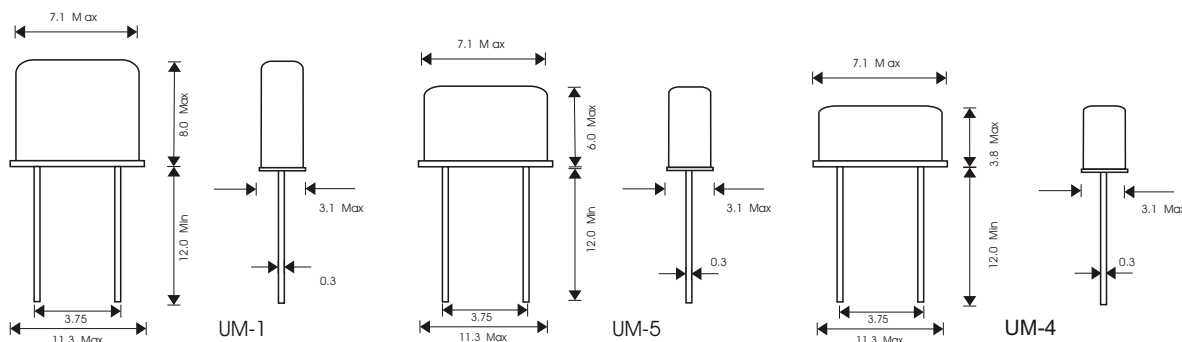




### FEATURES

- Small Size
- Wide Frequency Range
- High Stability
- Fast Turnaround Options

### APPLICATIONS

- Pagers
- Radio Communications
- Telemetry Systems
- Automotive Electronics

### STANDARD SPECIFICATION

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Frequency Range:              | 4.00 MHz to 300.00 MHz*                        |
| Adjustment Tolerance at 25°C: | ±30PPM Max.                                    |
| Frequency Stability:          | ±50PPM Max.                                    |
| Operating Temperature Range:  | -10°C to +60°C                                 |
| Load Capacity:                | 30pF                                           |
| E.S.R:                        | See Table                                      |
| Drive level:                  | 100 MicroWatt                                  |
| Ageing:                       | ±3PPM 1st Year Max.<br>(*UM-4/UM-5 From 10MHz) |

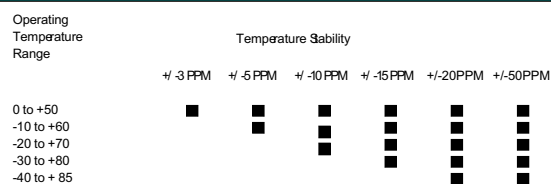
| Frequency Range        | E.S.R | Mode  |
|------------------------|-------|-------|
| 4.00 MHz ~ 4.99 MHz    | 200   | Fund  |
| 5.00 MHz ~ 5.99 MHz    | 150   | Fund  |
| 6.00 MHz ~ 6.99 MHz    | 120   | Fund  |
| 7.00 MHz ~ 8.99 MHz    | 100   | Fund  |
| 8.00 MHz ~ 9.99 MHz    | 90    | Fund  |
| 10.00 MHz ~ 15.99 MHz  | 40    | Fund  |
| 16.00 MHz ~ 22.99 MHz  | 30    | Fund  |
| 23.00 MHz ~ 39.99 MHz  | 60    | 3 O/T |
| 40.00 MHz ~ 100.00 MHz | 60    | 3 O/T |
| 50.00 MHz ~ 150.00 MHz | 90    | 5 O/T |
| 100.0 MHz ~ 300.00 MHz | 150   | 7 O/T |

### AVAILABLE OPTIONS

|                        |                      |
|------------------------|----------------------|
| Frequency Range:       | 4.00MHz ~ 300 MHz    |
| Adjustment Tolerance   | ±5PPM ~ ±30PPM       |
| Load Capacity:         | Series or 9pF ~ 50pF |
| Shunt Capacity (C0):   | 4.5pF ~ 7pF (Typ.)   |
| Dynamic Capacity (C1): | 18fF ~ 20fF (Typ.)   |

Also available with SMD Metal Clip (UM-1 & UM-5)

### Frequency Stability vs Operating Temperature Range



### Value Added Services

In addition, AEL Crystals Ltd are able to offer our customers the following value added services:-

- Fitted Insulators
- Cropping
- Radial Taping
- Lead
- Earth Lead



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