

# FCom Quartz Crystal Resonator

## Series FCX-M1

### Through Hole Crystal Resonator UM-1



#### Feature

- MHz DIP Crystal, UM-1 Type
- Low Cost, High precision, High frequency stability
- Excellent aging characteristics
- RoHS and REACH Compliant , Pb-free

#### Application

- Communication Electronics
- Measurement Instrument

#### ELECTRICAL SPECIFICATIONS

| Parameters                                                      | Symbol | Min.                  | Typ. | Max. | Units | Notes                                                                                     |
|-----------------------------------------------------------------|--------|-----------------------|------|------|-------|-------------------------------------------------------------------------------------------|
| Nominal Frequency                                               | F      | 7 ~ 200               |      |      | MHz   | Test condition<br>Ambient temperature:<br>25 ± 5°C<br><br>Relative humidity:<br>40% ~ 70% |
| Frequency Tolerance                                             | FT     | ± 5                   |      |      | ppm   |                                                                                           |
| Frequency Stability Over Operating Temp. Range (Reference 25°C) | ST     | ± 30                  |      |      | ppm   |                                                                                           |
|                                                                 |        | ± 50                  |      |      | ppm   |                                                                                           |
|                                                                 |        | ± 80                  |      |      | ppm   |                                                                                           |
| Operating Temperature                                           | Topr   | -40                   | 25   | 125  | °C    |                                                                                           |
| Load Capacitance                                                | CL     | 10, 18, 20 or specify |      |      | pF    |                                                                                           |
| Drive Level                                                     | DL     | -                     | 10   | 100  | uW    |                                                                                           |
| Equivalent Series Resistance                                    | ESR    | -                     | -    | 30   | Ohm   | 7~20MHz                                                                                   |
|                                                                 |        | -                     | -    | 25   |       | 20~50MHz                                                                                  |
|                                                                 |        | -                     | -    | 40   |       | 40~120MHz, 3rd                                                                            |
|                                                                 |        | -                     | -    | 100  |       | 80~200MHz, 5th                                                                            |
| Aging                                                           | -      | ± 5                   |      |      | ppm   | 1st Year                                                                                  |

! Note : The table shows common spec. if you have special spec. requirement , please feel free to contact our salesperson.

#### DIMENSION(mm)

