

## XSC Type

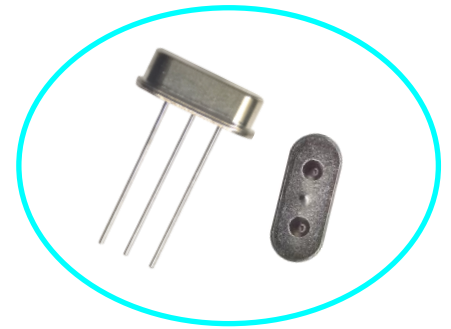
### 49S Series

#### Feature

- ◆ Frequency Range: 3.58~80MHz
- ◆ Typical 10.72 x 4.34 x 3.4 mm metal can 3 lead package.
- ◆ Packing : Self-sealing plastic bag, 200pcs / bulk.

#### Typical Application

- ◆ Automotive
- ◆ Bluetooth, Wireless
- ◆ Computers, Modems, Communications.
- ◆ Set-top Box, DECT / WDCT, TV.



#### Electrical Specifications

| Parameter                      | Specification |          |     | Unit     | Remark     |
|--------------------------------|---------------|----------|-----|----------|------------|
|                                | Min           | Typical  | Max |          |            |
| Frequency Range (F0)           |               | 3.58~80  |     | MHz      | -          |
| Storage Temperature Range (Ts) | -55           | -        | 125 | °C       | -          |
| Level of Drive (DL)            | -             | 100      | 200 | uW       | -          |
| Load Capacitance (CL)          |               | 6 pF ~ ∞ |     | pF       | Assignable |
| Insulation Resistance          | 500           | -        | -   | Mohm     | at DC 100V |
| Aging                          | -3            | -        | 3   | ppm/Year | First Year |

#### FREQ. STABILITY vs. TEMP. RANGE

| Temp Range(°C)   | ppm |     |     |     |     |     |      |
|------------------|-----|-----|-----|-----|-----|-----|------|
|                  | ±5  | ±10 | ±15 | ±20 | ±30 | ±50 | ±100 |
| -10~50           | △   | ○   | ○   | ○   | ○   | ○   | ○    |
| -20~70           | X   | ○   | ○   | ○   | ○   | ○   | ○    |
| -40~85(F>=16MHz) | X   | X   | △   | ○   | ○   | ○   | ○    |
| -40~85(F<16MHz)  | X   | X   | △   | △   | ○   | ○   | ○    |
| -40~105          | X   | X   | X   | X   | △   | ○   | ○    |
| -40~125          | X   | X   | X   | X   | X   | △   | ○    |

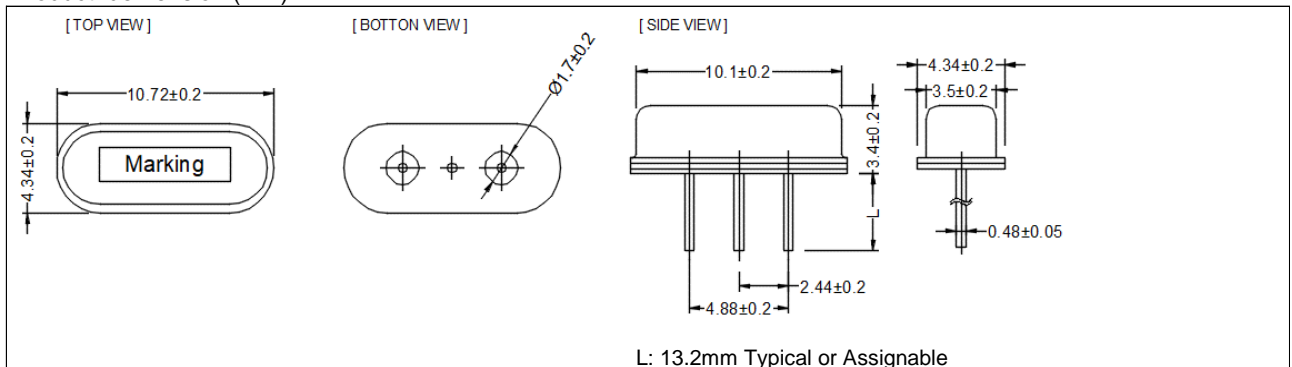
Note: ○:Available, △:Conditional, X:Not available

#### ESR (Equivalent Series Resistance)

| Frequency Range                 | Mode | ESR (Max) | Unit |
|---------------------------------|------|-----------|------|
| 3.58MHz < F <sub>0</sub> < 4MHz | Fund | 150       | ohm  |
| 4MHz ≤ F <sub>0</sub> < 6MHz    | Fund | 100       | ohm  |
| 6MHz ≤ F <sub>0</sub> < 10MHz   | Fund | 60        | ohm  |
| 10MHz ≤ F <sub>0</sub> < 12MHz  | Fund | 60        | ohm  |
| 12MHz ≤ F <sub>0</sub> < 16MHz  | Fund | 45        | ohm  |
| 16MHz ≤ F <sub>0</sub> < 20MHz  | Fund | 45        | ohm  |
| 20MHz ≤ F <sub>0</sub> < 24MHz  | Fund | 40        | ohm  |
| 24MHz ≤ F <sub>0</sub> < 30MHz  | Fund | 35        | ohm  |
| 30MHz ≤ F <sub>0</sub> < 48MHz  | Fund | 30        | ohm  |
| 30MHz ≤ F <sub>0</sub> < 36MHz  | 3RD  | 70        | ohm  |
| 36MHz ≤ F <sub>0</sub> < 80MHz  | 3RD  | 50        | ohm  |

#### Dimension

Product dimension (mm)



Note: not all combination of options are available. Other specifications may be available upon request.

Specifications subject to change without notice.