



### Features

- Resistance welded type crystal units;
- A great number of standard frequencies;
- Higher frequency pullability and lower equivalent series resistance;
- Lower cost and highly mass production capability;
- The best choice of TV, STB, LCDM and Cable Modem;
- RoHS Compliant / Pb Free;

### Crystals specifications

| ITEMS (项目)   | PARAMETER (规格说明)                               |
|--|--|
| Frequency Range                                      | 3.2 ~ 90 MHz                                   |
| Frequency Tolerance (at 25 °C)                       | ± 30 ppm, or specify                           |
| Frequency Stability Over Operating Temperature Range | - 20 ~ +70 °C, or specify                      |
| Operating Temperature Range                          | 7 pF Ma  |
| Shunt Capacitance (C0)                               | 1 ~ 500 μW (100 μW typical)                    |
| Drive Level  | Series, 16 pF, 20 pF, 30 pF, 32 pF, or specify |
| Load Capacitance                                     | ± 5 ppm / year Max.                            |
| Aging (at 25 °C)                                     | - 40 ~ + 85 °C                                 |
| Storage Temperature Range                            | 200pcs/Reel                                    |
| Packing Unit   | 3.2 ~ 90 MHz                                   |

### Equivalent Series Resistance(ESR)

#### Fundamental

|              |           |          |           |
|--------------|-----------|----------|-----------|
| 3.2-3.686MHZ | 200 Ω Max | 27-30MHZ | 100 Ω Max |
| 3.686-5MHZ   | 150Ω Max  | 30-50MHZ | 80Ω Max   |
| 5-10MHZ      | 80 Ω Max  | 50-90MHZ | 60 Ω Max  |
| 10-14MHZ     | 40 Ω Max  |          |           |
| 14-30MHZ     | 30Ω Max   |          |           |

### Dimensions



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