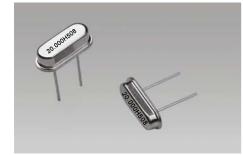




• E49A Series DIP 49US Crystal



This part is a miniature AT cut strip crystal units with a low profile package. It is with resistance weld.

FEATURES

- Low Cost
- Industry Standard
- Wide Frequency Range

Crystal units

Excellent Aging

Electrical Specifications

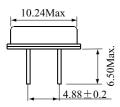
| | Туре | E49A | | | |
|------------------------------|------------------|--|--|--|--|
| Frequency Range | F0 | 3.2~66.000MHz | | | |
| Load Capacitance | CL | 10pF to Series | | | |
| Frenqency Tolerance | $\triangle F/F0$ | ± 10 ppm, ± 30 ppm, ± 50 ppm(At 25 °C) | | | |
| Equivalent Series Resistance | ESR | See Table 1 | | | |
| Temperature Stability | TC | ± 10 ppm, ± 30 ppm, ± 50 ppm(Refer to 25 °C) | | | |
| Operating Temperature Range | TOPR | −20~+70°C,−30~+85°C Option | | | |
| Storage Temperature Range | TSTG | −55~+125°C | | | |
| Shunt Capacitance | C0 | 7pF max. | | | |
| Insulator Resistance | IR | 500MΩ min. (At 100VDC) | | | |
| Drive Level | DL | 100μW(500μW max.) | | | |
| Aging | Fa | ±5ppm max. (At 25℃,First year) | | | |
| Packing Unit | | 200pcs/bag | | | |

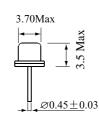
Table 1:Equivalent Series Resistance(ESR) and Mode of Vibration(Mode)

| Frequency Range(Mhz) | Max ESR(Ω) | Mode | Frequency Range(Mhz) | Max ESR(Ω) | Mode |
|----------------------|---------------------|----------------|----------------------|---------------------|--------------------------|
| 3.200 to 4.499 | 150 | Fundamental/AT | 9.000 to 9.999 | 60 | Fundamental/AT |
| 4.500 to 5.999 | 120 | Fundamental/AT | 10.000 to 12.999 | 50 | Fundamental/AT |
| 6.000 to 6.999 | 100 | Fundamental/AT | 13.000 to 40.000 | 40 | Fundamental/AT |
| 7.000 to 7.999 | 90 | Fundamental/AT | 40.000 to 66.000 | 80 | 3 rd Overtone |
| 8.000 to 8.999 | 80 | Fundamental/AT | | | |

**Please contact us for inquiries regarding other Specifications

Mechanical Dimensions(mm)





11.05Max .65Max

SHENZHEN YIJIN ELECTRONICS CO: LTD TEL: 0755-27876565

http://www.vc-tcxo.com 18924600166 QQ: 857950243