



ATS-49U / ATS-25U / ATS-51U

Parameters / Specifications

| Parameters | Specifications |
|-----------------------------|--------------------------------------|
| Frequency Range | 3.579 ~ 85.000 MHz |
| Operating Temperature Range | -10°C~ +60°C (STD), -20°C~ +70°C |
| Frequency Tolerance @+25°C | ±15, 30, 50ppm (STD) |
| Temperature Tolerance | ±30, 50, 100ppm (STD) |
| Storage Temperature | -40°C~ +85°C |
| Load Capacitance | 18pF (STD), ≥10pF or Series Resonant |
| Drive Level | 0.01 ~ 1,000 μ W |
| Shunt Capacitance | 7.0pF Max. |
| Aging @+25°C | ±5.0ppm Max. per year |
| Insulation Resistance | 500 M Ω Min. @100Vdc |

Equivalent Series Resistance / Oscillation Mode

| Frequency Range (MHz) | ESR (Ω) Max. | Oscillation Mode |
|-----------------------|-----------------------|------------------|
| 3.579 ~ 3.999 | 150 | Fundamental / AT |
| 4.000 ~ 4.999 | 120 | Fundamental / AT |
| 5.000 ~ 5.999 | 100 | Fundamental / AT |
| 6.000 ~ 7.999 | 90 | Fundamental / AT |
| 8.000 ~ 9.999 | 70 | Fundamental / AT |
| 10.000 ~ 11.999 | 60 | Fundamental / AT |
| 12.000 ~ 14.999 | 50 | Fundamental / AT |
| 15.000 ~ 19.999 | 40 | Fundamental / AT |
| 20.000 ~ 26.999 | 30 | Fundamental / AT |
| 27.000 ~ 32.999 | 50 | Fundamental / BT |
| 33.000 ~ 40.000 | 40 | Fundamental / BT |
| 24.576 ~ 47.999 | 80 | 3rd Overtone |
| 48.000 ~ 85.000 | 60 | 3rd Overtone |

Mechanical Dimensions

