

## Specification of Quartz Crystal Unit

### Transmit

1. Holder Type..... HC-49/U Wire Lead
2. Operating Temperature..... -30°C to 80°C
3. Temperature Stability.....  $\pm$ -0.0010% (-30°C to +60°C)  
..... +/-0.0005% (-10°C to +60°C)
4. Characteristics at 25°C  $\pm$  2C unless otherwise specified.
  - 4.1 Frequency.....(MHZ)..... F/9
  - 4.2 Frequency Tolerance..... ( $\pm$  ppm)..... 10
  - 4.3 Load Capacitance..... (pf)..... 30 pf
  - 4.4 Equivalent RESISTANCE..... (ohm)..... 25 MAX
  - 4.5 Drive Level..... (MW)..... 1
  - 4.6 Shunt Capacitance..... (pf)..... 7 MAX
  - 4.7 Oscillation Mode..... Fund
  - 4.8 Test Circuit..... S&A 350A
  - 4.9 Motional Capacity..... 0.0025 pf  $\pm$  10%

### Receive

1. Holder Type..... HC-49/U Wire Lead
2. Operating Temperature..... -30°C to 80°C
3. Temperature Stability.....  $\pm$ 0.0010% (-30°C to +60°C )
4. Characteristics at 25°C  $\pm$  2C unless otherwise specified.
  - 4.1 Frequency.....(MHZ)..... (F-21.4) /9
  - 4.2 Frequency Tolerance..... ( $\pm$  ppm)..... 10
  - 4.3 Load Capacitance..... (pf)..... 32pf
  - 4.4 Equivalent RESISTANCE..... (ohm)..... 25 MAX
  - 4.5 Drive Level..... (mw)..... 1
  - 4.6 Shunt Capacitance..... (pf)..... 7 MAX
  - 4.7 Oscillation Mode..... 3<sup>rd</sup> Overtone
  - 4.8 Test Circuit..... S&A 350A
  - 4.9 Motional Capacity..... 0.0025 pf  $\pm$  10%