

# TSQ-HC49S

## FEATURES

- Low cost
- Wide frequency range
- Good aging
- Pb-free & RoHS Compliance



| SPECIFICATIONS              |  |
|-----------------------------|--|
| Holder Type                 | HC-49S (2pin & 3pin)                     |
| Frequency Range             | 3.200MHz – 90.000MHz                     |
| Operating Temperature Range | -10°C ~ +60°C typical or custom-designed |
| Storage Temperature Range   | -40°C ~ +85°C typical                    |
| Drive Level                 | 100uW typical                            |
| Load Capacitance            | 8pF-32pF or Series                       |
| Frequency Tolerance         | ±30ppm or custom-designed                |
| Frequency Stability         | ±50ppm or custom-designed                |
| Shunt Capacitance           | 7.0pF max                                |
| Insulation Resistance       | 500MΩmin.at DC 100V                      |
| Aging First Year            | ±5ppm max                                |

| EQUIVALENT SERIES RESISTANCE(ESR) AND MODE OF OPERATION |        |              |
|---|--------|--------------|
| Frequency Range   | ESR(Ω) | Mode         |
| 3.200~3.579M  | 250max | Fundamental  |
| 3.580~4.000M  | 150max | Fundamental  |
| 4.001~5.000M  | 120max | Fundamental  |
| 5.001~6.000M  | 100max | Fundamental  |
| 6.001~7.000M  | 80max  | Fundamental  |
| 7.001~8.000M  | 60max  | Fundamental  |
| 8.001~9.999M  | 60max  | Fundamental  |
| 10.00~13.999M   | 50max  | Fundamental  |
| 14.00~35.328M   | 40max  | Fundamental  |
| 24.00~34.999M   | 100max | 3rd Overtone |
| 35.00~90.000M   | 80max  | 3rd Overtone |

## Mechanical Dimensions

