

# **MOBICON**

## **Electronic Components**

### **PRODUCT SPECIFICATION**

### **MEC QUARTZ CRYSTAL**

### **FREQUENCY COMPONENTS**

**SMD49S Series QUARTZ CRYSTAL SPECIFICATION**

| <b>MOBICON HOLDINGS LTD.</b> |              |                    |
|------------------------------|--------------|--------------------|
| <b>Prepared By</b>           | <b>Sign.</b> | <b>Approved By</b> |
| Leo Wong                     |              | C.H. Wong          |

**[www.mobicon.com](http://www.mobicon.com)**

# MIEC

## SPECIFICATION OF CRYSTAL UNIT

**PART NO. :**

**SMD49S-5M1630F**

### ELECTRICAL CHARACTERISTICS

|                                |  |
|--------------------------------|--|
| 1. Nominal Frequency           | 5.0 MHz  |
| 2. Holder Type                 | HC49S  |
| 3. Frequency Tolerance         | $\pm 30$ ppm at $25^{\circ}\text{C}$           |
| 4. Equivalent Resistance       | 100 Ohm max.                                   |
| 5. Insulation Resistance       | 500M Ohm @ $100\text{V}_{\text{DC}}$           |
| 6. Temperature Tolerance       | $\pm 30$ ppm at $-10 \sim +60^{\circ}\text{C}$ |
| 7. Operating Temperature Range | $-10 \sim +60^{\circ}\text{C}$                 |
| 8. Storage Temperature Range   | $-10 \sim +70^{\circ}\text{C}$                 |
| 9. Loading Capacitance         | 16 pF  |
| 10. Drive Level                | 100uW max.                                     |
| 11. Aging                      | $\pm 5$ ppm/ year                              |
| 12. Oscillation Mode           | Fundamental                                    |

### DIMENSIONS (mm)



Prepared By: Leo Wong

DOC. No: SMD49S-5MHz16pF30ppmF

# MEC

## SPECIFICATION OF CRYSTAL UNIT

| No. | Item      | Condition of Test  |
|-----|-----------|--|
| 1   | Drop Test | Dropping from 80cm height to 3cm height, 3 times max. on wooden board. |

### REVIEW OF SPECIFICATIONS

- 1) When something get doubtful with this specifications, we shall jointly work to get an agreement.
- 2) This specification limits the quality of the components as a single unit. Please insure the component is thoroughly evaluated in your application circuit.
- 3) Please do not use this component in any application that deviates from its intended use as noted within the specification. It may cause any mishaps.
- 4) Please return one of this specification after your signature of acceptance. In case of no return within 3 months from submission date. This specification should be treated as accepted.



Prepared By: Leo Wong  
DOC. No: SMD49S