

# **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

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# MIEC

## SPECIFICATION OF CRYSTAL UNIT

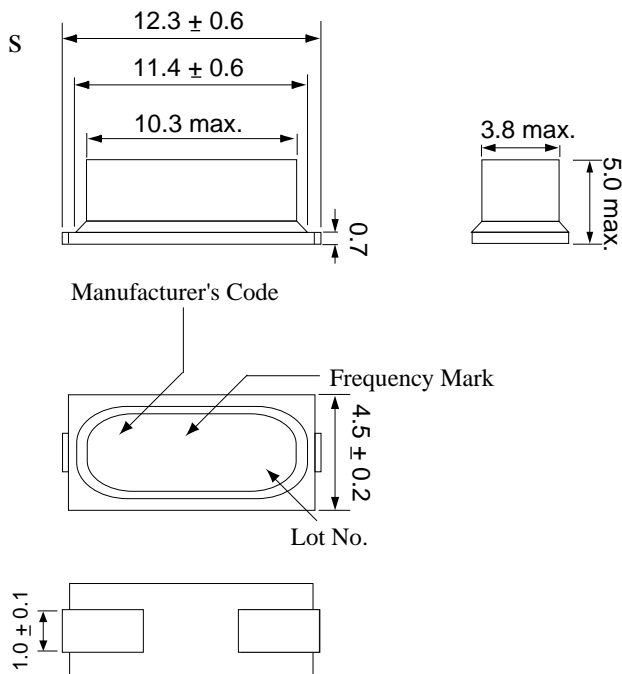
**PART NO. :**

**SMD49S-3.579545M3030F**

### ELECTRICAL CHARACTERISTICS

1. Nominal Frequency	3.579545 kHz
2. Holder Type	SMD49S
3. Frequency Tolerance	$\pm 30$ ppm
4. Equivalent Series Resistance	200 Ohm max.
5. Insulation Resistance	500M Ohm @100V <sub>DC</sub>
6. Temperature Tolerance	+/- 50ppm at -20 ~ +70°C
7. Operating Temperature Range	-20 ~ +70°C
8. Storage Temperature Range	-20 ~ +70°C
9. Loading Capacitance	30pF
10. Drive Level	100uW max.
11. Aging	$\pm 5$ ppm/ year max.
12. Oscillation Mode	Fundamental
13. Shunt Capacitance	7pF

### DIMENSIONS (mm)



Prepared By: Leo Wong

DOC. No: SMD49S-3.579545MHz30pF30ppmF

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## 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.

**CAUTION!** Ultra-Sonic Bonding is highly not recommended when assembling this components on PCB and MOBICON GROUP will not accept any rejects/ claims/re-changes and responsible for any damages about our crystals after this handling method.



Prepared By: Leo Wong  
DOC. No: SMD49S