

MOBICON

Electronic Components

PRODUCT SPECIFICATION

MEC QUARTZ CRYSTAL

FREQUENCY COMPONENTS

SMD49S Series QUARTZ CRYSTAL SPECIFICATION

MOBICON HOLDINGS LTD.		
Prepared By	Sign.	Approved By
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MIEC

SPECIFICATION OF CRYSTAL UNIT

PART NO. :

SMD49S-20M1630F

ELECTRICAL CHARACTERISTICS

1. Nominal Frequency	20.0 MHz
2. Holder Type	SMD49S
3. Frequency Tolerance	± 30 ppm at 25°C
4. Equivalent Resistance	40 Ohm max.
5. Insulation Resistance	500M Ohm @100V _{DC}
6. Temperature Tolerance	+/- 30 ppm at -20 ~ +70°C
7. Operating Temperature Range	-10 ~ +60°C
8. Storage Temperature Range	-20 ~ +70°C
9. Loading Capacitance	16 pF
10. Drive Level	100uW max.
11. Aging	± 5 ppm/ year max.
12. Oscillation Mode	Fundamental

DIMENSIONS (mm)



Prepared By: Leo Wong
DOC. No: SMD49S-20MHz16pF30ppmF

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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.



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