MOBICON
Electronic Components

PRODUCT SPECIFICATION

MEC QUARTZ CRYSTAL

FREQUENCY COMPONENTS

HC49S Series QUARTZ CRYSTAL SPECIFICATION

MOBICON HOLDINGS LTD.		
Prepared By	Sign.	**Approved By**
Leo Wong		C.H. Wong

www. mobicon. com

MEC

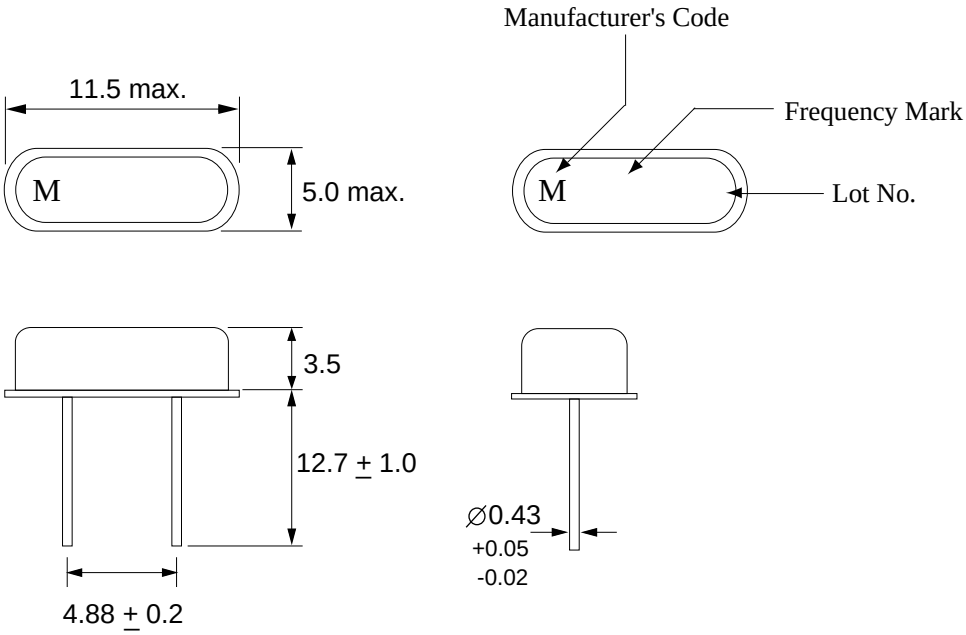
SPECIFICATION OF CRYSTAL UNIT

PART NO. : **HC49S-27M2710F**

E L E C T R I C A L C H A R A C T E R I S T I C S

1.	Nominal Frequency	27.0 MHz
2.	Holder Type	HC49S
3.	Frequency Tolerance	± 10 ppm at 25°C
4.	Equivalent Resistance	40 ohm max.
5.	Insulation Resistance	500M Ohm @100V_{DC}
6.	Temperature Tolerance	+/- 50ppm at -20 ~ +70°C
7.	Operating Temperature Range	-20 ~ +70°C
8.	Storage Temperature R ange	-40 ~ +85°C
9.	Loading Capacitance	27 pF
10.	Drive Level	100uW max.
11.	Aging	± 5ppm/ year max.
12.	Oscillation Mode	Fundamental

D I M E N S I O N s (mm)



MOBICON
Electronic Components

Prepared By: Leo Wong
DOC. No: HC49S-27MHz27pF10ppmF

MEC

SPECIFICATION OF CRYSTAL UNIT

No.	Item	Condition of Test
1	Drop Test	Dropping from 75cm height, 3 times on hard wooden board.
2	Vibration Test	30 minutes in each direction 10 to 55 Hz, amplitude 0.7 ~ 0.9mm Variation: Frequency drift < ± 20ppm
3	Solderability	The dipping surface of the lead shall be at least 95% Covered with a Continuous new solder coating. Condition of test: Temperature of solder bath: 230°C ± 5°C Dipping time: 5 sec.
4	Leakage	No bubbles coming up from interior of the holder. Insulation resistance: More than 500M Ohm Condition of test: Temperature of hot water: 90°C ~ 95°C Test time: 3 min.

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.

MOBICON
Electronic Components

Prepared By: Leo Wong
DOC. No: HC49S