MOBICON
Electronic Components

PRODUCT SPECIFICATION

MEC QUARTZ CRYSTAL

FREQUENCY COMPONENTS

HC49S Series QUARTZ CRYSTAL SPECIFICATION

MOBICON HOLDINGS LTD.		
Prepared By	Sign.	**Approved By**
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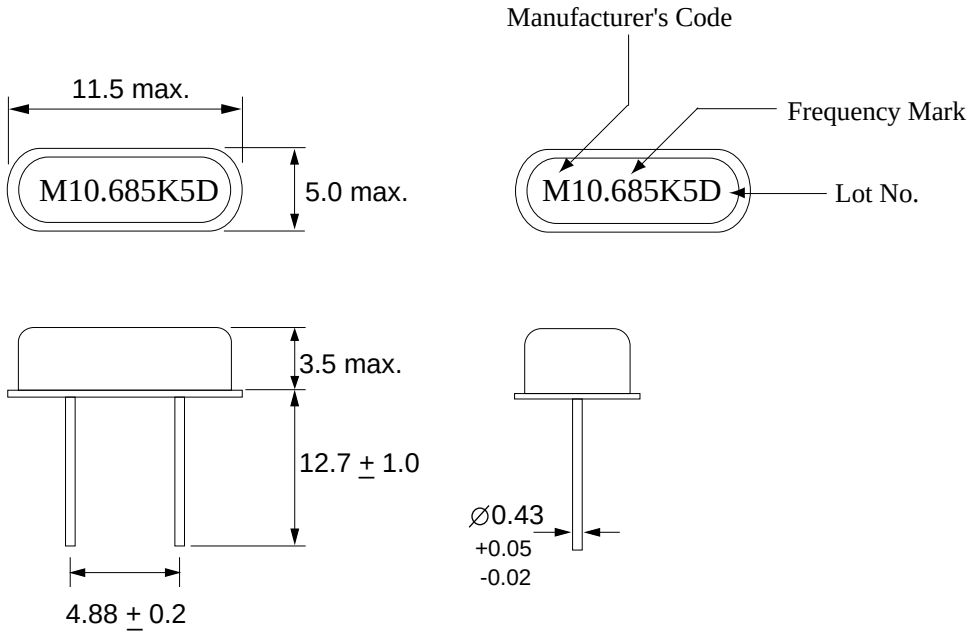
SPECIFICATION OF CRYSTAL UNIT

PART NO. : **HC49S-10.685M2030F**

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	10.685 MHz
2.	Holder Type	HC-49S
3.	Frequency Tolerance	± 30 ppm at 25 °C
4.	Equivalent Resistance	50 Ohm max.
5.	Temperature Tolerance	+/- 30ppm at -10 ~ +70°C
6.	Aging	± 5ppm/ year
7.	Loading Capacitance	20 pF
8.	Drive Level	100uW
9.	Mode of Oscillation	Fundamental

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



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SPECIFICATION OF CRYSTAL UNIT

No.	Item	Condition of Test
1	Shock Test	Dropping from 75cm height, 3 times on firm wood Variation: Frequency drift < + 20ppm Resistance drift <+ 10 Ohm
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.

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