

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

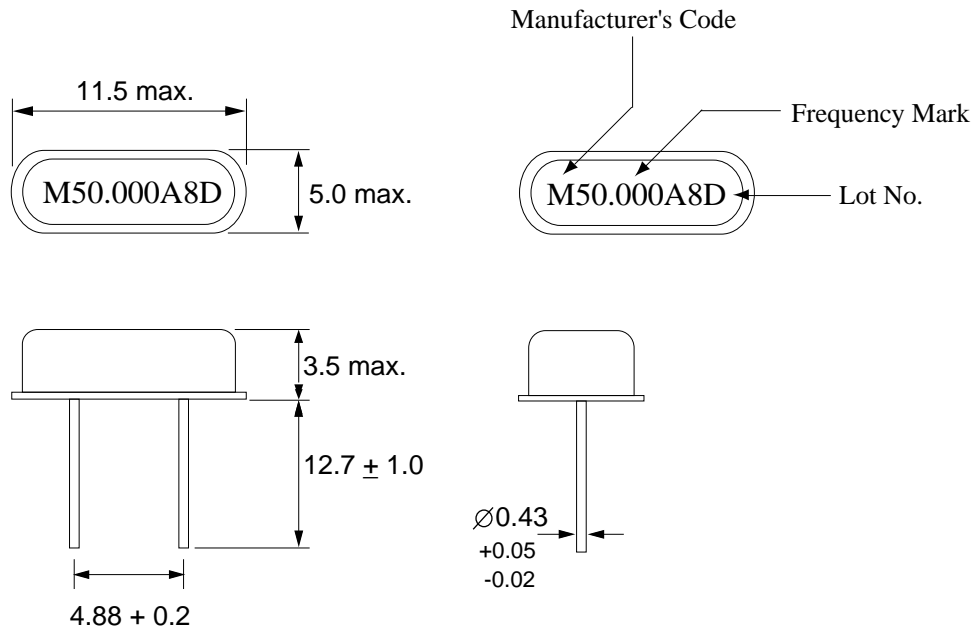
PART NO. :

HC49S-50M2020T

ELECTRICAL CHARACTERISTICS

1. Nominal Frequency	50 MHz
2. Holder Type	HC49S
3. Frequency Tolerance	± 20 ppm @ 25°C
4. Equivalent Resistance	40 Ohm max.
5. Temperature Tolerance	± 20 ppm @ $-20 \sim +70^{\circ}\text{C}$
6. Aging	± 3 ppm/ year
7. Loading Capacitance	20 pF
8. Drive Level	100uW
9. Mode of Oscillation	3RD OVERTONE

DIMENSIONS (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 < \pm 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: $230^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 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: $90^{\circ}\text{C} \sim 95^{\circ}\text{C}$ Test time: 3 min.