

MOBICON

Electronic Components

PRODUCT SPECIFICATION

MEC QUARTZ CRYSTAL

FREQUENCY COMPONENTS

HC49S Series QUARTZ CRYSTAL SPECIFICATION

MOBICON HOLDINGS LTD.		
Prepared By	Sign.	Approved By
Kiko Chan		C.H. Wong

www.mobicon.com

MIEC

SPECIFICATION OF CRYSTAL UNIT

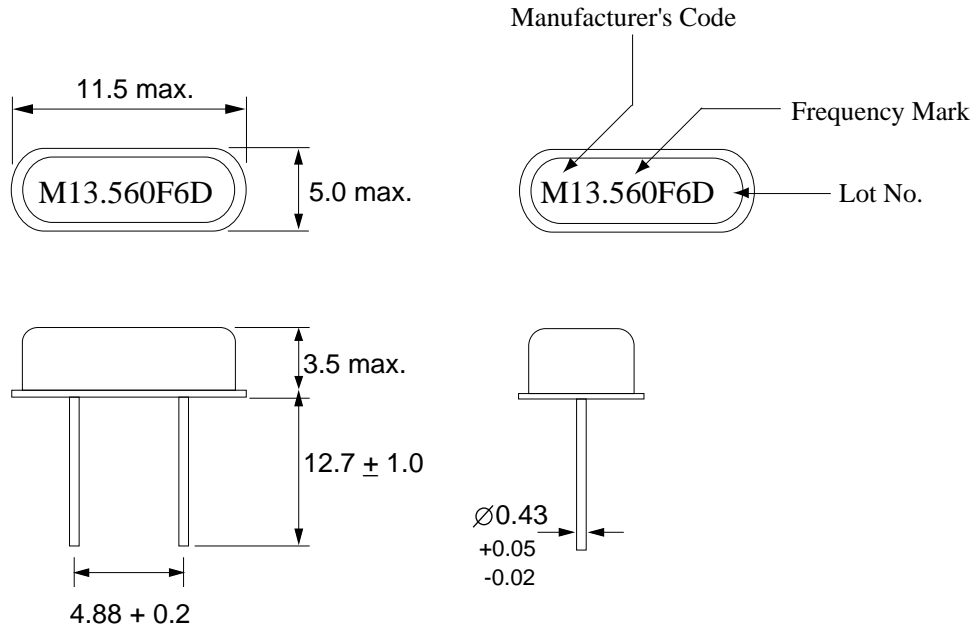
PART NO. :

HC49S-13.56M12.520F

ELECTRICAL CHARACTERISTICS

1. Nominal Frequency	13.560 MHz
2. Holder Type	HC-49S
3. Frequency Tolerance	± 20 ppm at 25°C
4. Equivalent Resistance	40 Ohm max.
5. Temperature Tolerance	± 30 ppm at $-10 \sim +60^{\circ}\text{C}$
6. Aging	± 5 ppm/ year max.
7. Loading Capacitance	12.5 pF
8. Drive Level	100uW
9. Mode of Oscillation	Fundamental

DIMENSIONS (mm)



MIEC

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.