

# MIEC

## SPECIFICATION OF CRYSTAL UNIT

PART NO. :

AT39-12M1630F

### ELECTRICAL CHARACTERISTICS

1. Nominal Frequency	12 MHz
2. Holder Type	AT39
3. Frequency Tolerance	$\pm 30\text{ppm}$ at $25^{\circ}\text{C}$
4. Equivalent Resistance	$60\ \Omega\text{max}$
5. Insulation Resistance	$500\text{M}\Omega$ @ $100\text{VDC}$
6. Temperature Tolerance	$\pm 50\text{ppm}$ @ $-10^{\circ}\text{C}$ to $+60^{\circ}\text{C}$
7. Loading Capacitance	$16\text{pF}$
8. Drive Level	$100\ \mu\text{Wmax.}$
9. Operating Temperature	$-10^{\circ}\text{C}$ to $+60^{\circ}\text{C}$
10. Storage Temperature Range	$-20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
11. Aging	$\pm 3\text{ppm / year}$
12. Oscillation Mode	Fundamental

### DIMENSIONS (mm)

