



Features

- Frequency control function by GPS
- Highly stable and accurate reference frequency by Rb atom oscillator
- Superior long term stability
- 10MHz-8 output standard
- DC/ AC power supply automatic changeover (built-in back-up battery)

Applications

- Digital TV Broadcasting Station and Transmitter
- Accurate Frequency Reference Oscillator for Laboratory and Factory
- Base Station for Stratum1

How to Order

MO 10.0000000 M

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- ① Function
MO → MCXO
- ② Output Frequency
MHz
- ③ Frequency Unit
M → MHz
- ④ Individual Specification

Specifications

| Item | Symbol | Conditions | Min. | Max. | Units |
|---------------------------------------|--------------|---|-------|-------|------------------|
| Output Frequency Range | fo | 8 Output | 10 | 10 | MHz |
| Frequency Tolerance | f_tol | GPS Locked/ The Temperature Slope is Less than 10°C/ hour | -0.03 | +0.03 | $\times 10^{-9}$ |
| Operable Temperature Range | T_stg | | -20 | +60 | °C |
| Operating Temperature Range | T_use | | -10 | +45 | °C |
| Supply Voltage (AC) | Vcc | | 90 | 110 | V |
| Supply Voltage ADC | — | | 180 | 220 | |
| Power Consumption (Warm-up Condition) | — | DC +25°C | — | 100 | W |
| Power Consumption (Normal Condition) | — | DC +25°C | — | 50 | W |
| Frequency Aging | f_age | Per Year (GPS Locked $\pm 2 \times 10^{-12}$ / 24h Average) | -0.5 | +0.5 | $\times 10^{-9}$ |
| Output Level | Output Level | | 0 | +3 | dBm |
| Load | Load_R | | 50 | 50 | ohm |

Dimensions

(Unit: mm)

