



### 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

①

②

③

④

- ① Function
- MO → MCXO
- ② Output Frequency
- 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	×10 <sup>−9</sup>
Operable Temperature Range	T_stg		−20	+60	°C
Operating Temperature Range	T_use		−10	+45	°C
Supply Voltage (AC)	Vcc		90	110	V
			180	220	
Supply Voltage ADC	—		22.8	25.2	V
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 ±2×10 <sup>−12</sup> / 24h Average)	−0.5	+0.5	×10 <sup>−9</sup>
Output Level	Output Level		0	+3	dBm
Load	Load_R		50	50	ohm

## Dimensions

(Unit: mm)

