



### 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 <sub>tol</sub>	GPS Locked/ The Temperature Slope is Less than 10°C/ hour	-0.03	+0.03	×10 <sup>-9</sup>
Operable Temperature Range	T <sub>stg</sub>		-20	+60	°C
Operating Temperature Range	T <sub>use</sub>		-10	+45	°C
Supply Voltage (AC)	V <sub>CC</sub>		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 <sub>age</sub>	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)

