



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 10.000000000 M 00001
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	F _{OUT}	8 Output	10	10	MHz
Frequency Stability	F _{SBY}	GPS Locked / The Temperature Slope is Less than 10 C/hour	-3	3	×10 ⁻¹¹
Operable Temperature Range	T _{stg}		-20	+60	°C
Operating Temperature Range	T _{OPR}		-10	+45	°C
Supply Voltage (AC)	V _{CC}		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	Δf aging	Per Year (GPS Locked ±2×10 ⁻¹² /24h Average)	-5	5	×10 ⁻¹⁰
Output Level	V _{out}	50 ohm	0	3	dBm

Dimensions

(Unit : mm)

