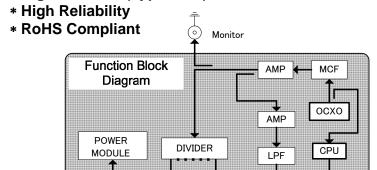


OCXO UNIT MODEL: S010M010MA

FREQUENCY: 10MHz

Features;

- * Ultra Low Phase Noise
- * Low Spurious
- * Extremely Pure Spectrum
- * High Isolation (Typ. 30dB)





RoHS Compliant Directive 2011/65/EU

Specifications; Frequency:

Power

Connector

RF OUT#1 to #8

 (\circ)

10MHz

Number of Output: 8 ports (Sinusoidal Wave & AC-coupled) **Output Power:** 0dBm ± 1dB

Control

Signal

 (\circ)

Ext. Out

Frequency Stability;

Temp. and Power Supply Variation: < ±10ppb < ±50ppb/year Aging: *2 < ±100ppb Warm-up: **Frequency Control:** Min. ±500ppb

Phase Noise;

Monitor Signal:

@1Hz offset < -93dBc/Hz @10Hz offset < -123dBc/Hz @100Hz offset < -133dBc/Hz Integrated 100Hz to 1MHz < -90dBc Spurious (Harmonics): < -30dBc Spurious (Others): <-50dBc

> Internal 10MHz Signal Sinusoidal Output, Output Level Range is 0dBm±3dB.

LED Functions: Power ON. 10MHz Output Level Status, and OVEN Status Alarm Signals: Power Warning, 10MHz Output Level, and OVEN Warning **External Output Power:** 13dBm±3dB

Operating Temperature Range: -10 to +50 deg. C

Interface:

BNC-F RF connectors: **Control Signal and Power Connector:** D-SUB 9 DC+48V±15%(< 20VA) **Power Supply Voltage (Power Consumption):** Dimensions: Width(211mm)×Depth(300mm)×Height(46mm)

> Notes *1 ±50ppb/year is based on frequency after 30 days operation. *2 ±100ppb is satisfied within 10 minutes after power supply.

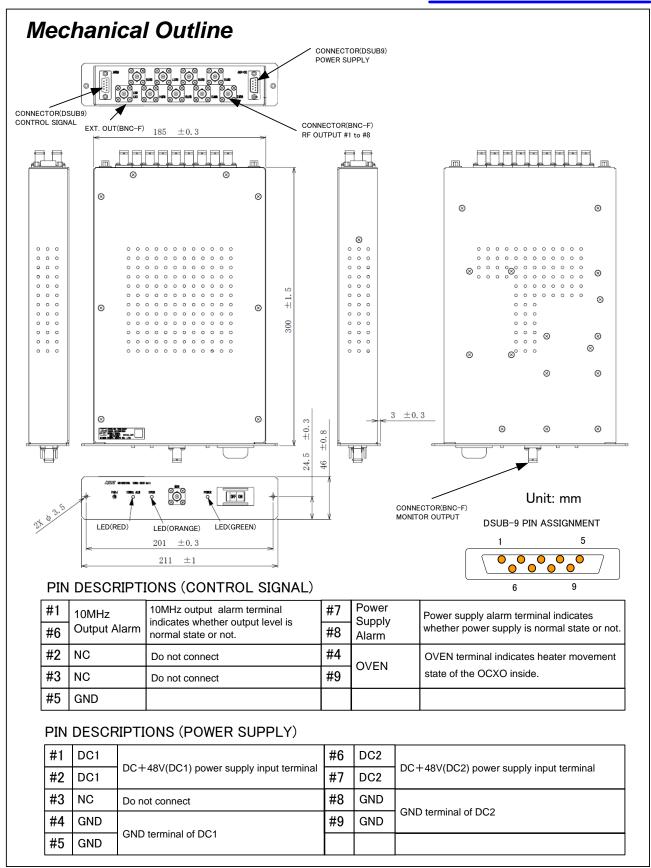
- Specifications described in this brochure are subject to be changed without notice for improvement.
- ◆ Custom-made specifications such as stability, aging and so on are available.

http://www.ndk.com/



OCXO UNIT MODEL: S010M010MA

FREQUENCY: 10MHz

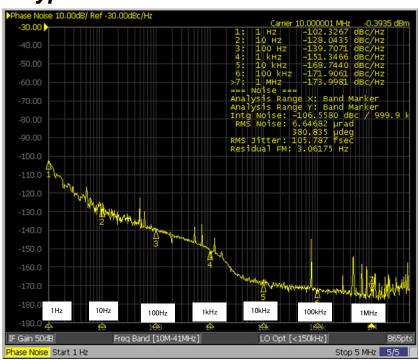




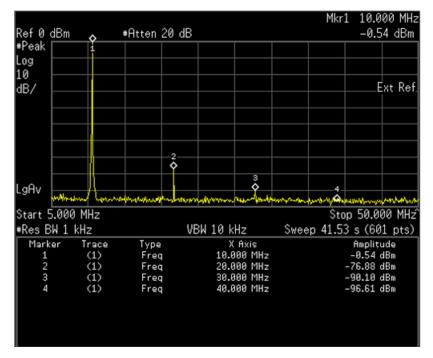
OCXO UNIT MODEL: S010M010MA

FREQUENCY: 10MHz

Typical Phase Noise Characteristics



Typical Spurious Characteristics



Harmonic Spurious Level (dBc)

2nd	-76.34
3rd	-89.56