

## QPDO-E-100-9.9

External Reference, 100MHz, 9.9GHz

**Features:**

- \* High Frequency Stability
- \* Ultra Low Phase Noise

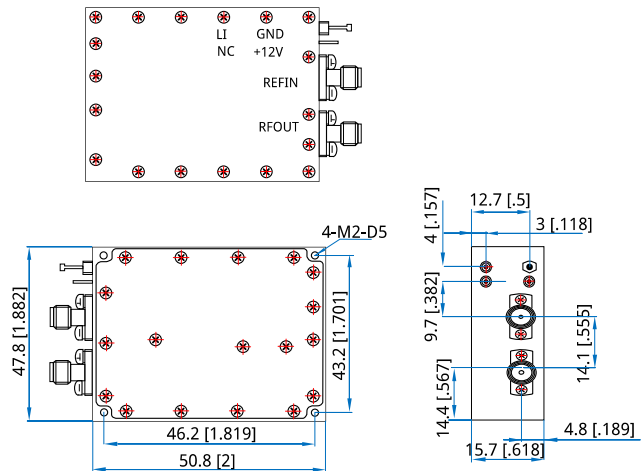
**Applications:**

- \* Wireless
- \* Transceiver
- \* Laboratory Test
- \* Radar

**Electrical**

Output Frequency:	9.9GHz
Output Power:	13dBm min
Spurious:	-70dBc max.
Harmonic:	-20dBc max.
External Reference:	100MHz
	-130dBc/Hz@100Hz
	-155dBc/Hz@1KHz
	-165dBc/Hz@10KHz
	-165dBc/Hz@100KHz
	-165dBc/Hz@1MHz
Input Power:	3~10dBm
Phase Noise:	-88dBc/Hz@100Hz
	-113dBc/Hz@1KHz
	-120dBc/Hz@10KHz
	-120dBc/Hz@100KHz
	-140dBc/Hz@1MHz
Voltage:	+12V DC
Current:	300mA max.
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

**Outline Drawings**



Unit: mm [in]  
Tolerance: ±0.2mm [±0.008in]

**How To Order**  
**QPDO-E-100-9.9**

Customization is available upon request.

**Mechanical**

Size*1:	50.8*47.8*15.7mm
	2*1.882*0.618in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through
Mounting:	4-M2, Depth 5mm

[1] Exclude connectors.

**Environmental**

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+85°C