

## QPDO-E-100-8.2-1

External Reference, 100MHz, 8.2GHz

**Features:**

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

**Applications:**

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

**Electrical**

Output Frequency:	8.2GHz
Output Power:	14dBm min
External Reference:	100MHz
	-135dBc/Hz max. @100Hz
	-160dBc/Hz max. @1KHz
	-170dBc/Hz max. @10KHz
	-170dBc/Hz max. @100KHz
	-175dBc/Hz max. @1MHz
Frequency Stability:	Follow the reference frequency
Output Phase Noise:	-94dBc/Hz max. @100Hz
	-119dBc/Hz max. @1KHz
	-125dBc/Hz max. @10KHz
	-125dBc/Hz max. @100KHz
	-140dBc/Hz max. @1MHz
Input Power:	0±5dBm
Output Spurious:	-80dBc max.
Output Harmonic:	-25dBc max.
Voltage:	+12V
Current:	300mA max.
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

**Mechanical**

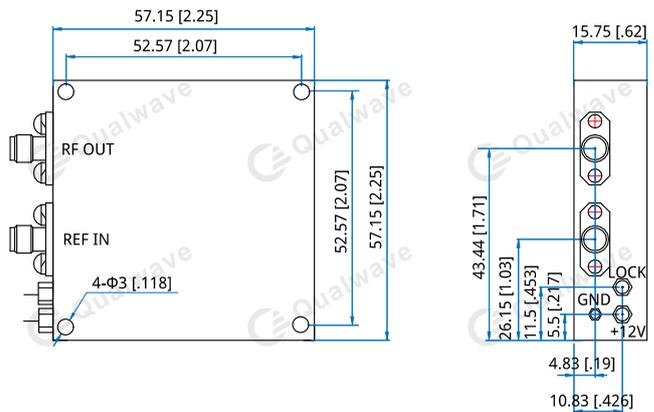
Size <sup>*1</sup> :	57.15*57.15*15.75mm
	2.25*2.25*0.62in
RF In Connectors:	SMA Female
RF Out Connectors:	SMA Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	4-Φ3mm through-hole

[1] Exclude connectors.

**Environmental**

Operating Temperature:	-40~+80°C
Non-operating Temperature:	-55~+85°C

**Outline Drawings**



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

**How To Order**

**QPDO-E-100-8.2-1**

Customization is available upon request.