

## QPDO-E-100-8.3

External Reference, 100MHz, 8.3GHz

**Features:**

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

**Applications:**

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

**Electrical**

Output Frequency:	8.3GHz
Output Power:	13dBm min
Spurious:	-70dBc max.
Harmonic:	-20dBc max.
External Reference:	100MHz
	-130dBc/Hz@100Hz
	-155dBc/Hz@1kHz
	-165dBc/Hz@10KHz
Input Power:	3~10dBm
Phase Noise:	-90dBc/Hz@100Hz
	-113dBc/Hz@1KHz
	-118dBc/Hz@10KHz
	-120dBc/Hz@100KHz
	-140dBc/Hz@1MHz
Voltage:	+12V DC
Current:	350mA max.
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

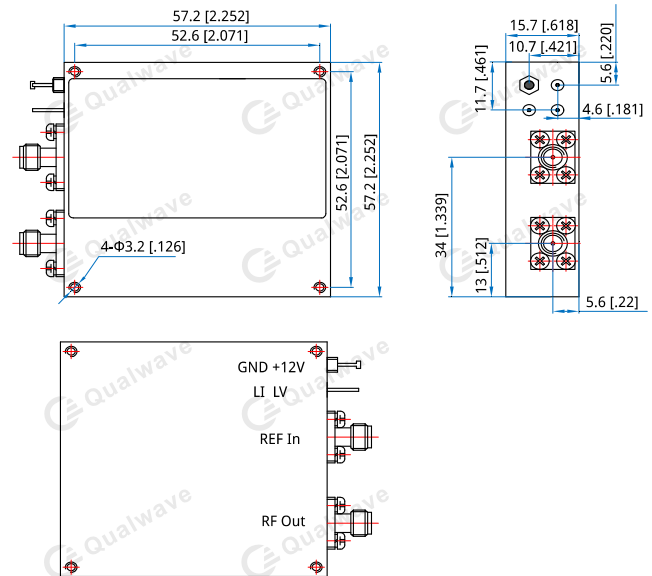
**Mechanical**

Size <sup>*1</sup> :	57.2*57.2*15.7mm
	2.252*2.252*0.618in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through
Mounting:	4-Φ3.2mm through-hole

[1] Exclude connectors.

**Environmental**

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

**Outline Drawings**


Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

**How To Order**

**QPDO-E-100-8.3**

Customization is available upon request.