

## QPDO-E-100-8.82

External Reference, 50MHz, 8.82GHz

### Features:

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

### Applications:

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

### Electrical

Output Frequency:	8.82GHz
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:	-85dBc/Hz@100Hz
	-108dBc/Hz@1KHz
	-115dBc/Hz@10KHz
	-115dBc/Hz@100KHz
	-135dBc/Hz@1MHz
Voltage:	+12V DC
Current:	350mA max.
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

### Mechanical

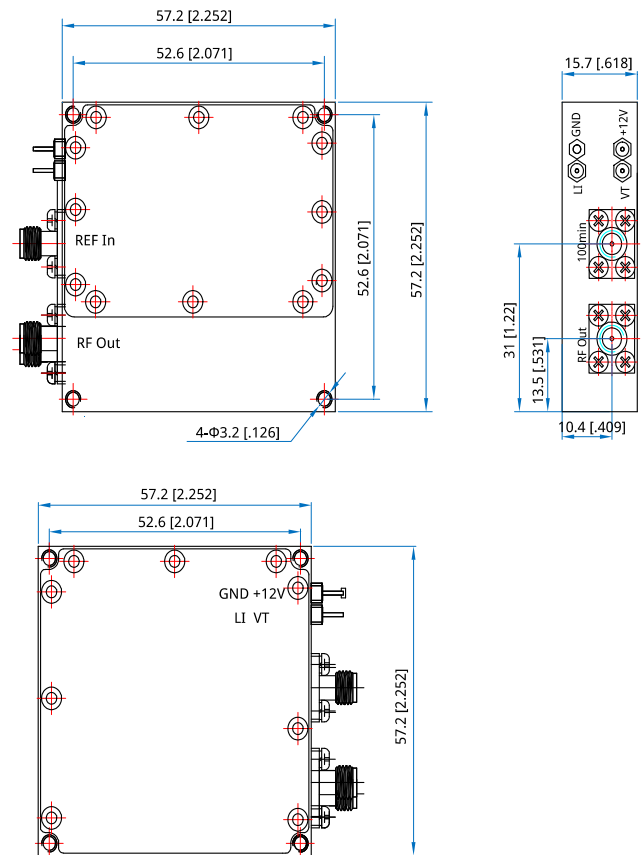
Size* <sup>1</sup> :	57.2*57.2*15.7mm
	2.252*2.252*0.618in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	4-Φ3.2mm through-hole

[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-100-8.82**

Customization is available upon request.