

## QPDO-E-10-21.11

External Reference, 10MHz, 21.11GHz

### Features:

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

### Applications:

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

### Electrical

Output Frequency:	21.11GHz
Output Power:	+13dBm min.
Frequency Stability:	Follow reference frequency
Reference Input Power:	0~+5dBm
Output Spurious:	-70dBc max. @±(10MHz to 2GHz)
Output Harmonics:	-20dBc max. @10.555GHz&31.665GHz
External Reference:	10MHz
	-120dBc/Hz max. @10Hz
	-140dBc/Hz max. @100Hz
	-155dBc/Hz max. @1KHz
	-165dBc/Hz max. @10KHz
	-165dBc/Hz max. @100KHz
Output Phase Noise:	-70dBc/Hz max. @100Hz
	-100dBc/Hz max. @1KHz
	-105dBc/Hz max. @10KHz
	-105dBc/Hz max. @100KHz
	-120dBc/Hz max. @1MHz
Voltage:	+12±0.5V DC
Current:	700mA max. (first) 450mA max. (stable)
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

### Environmental

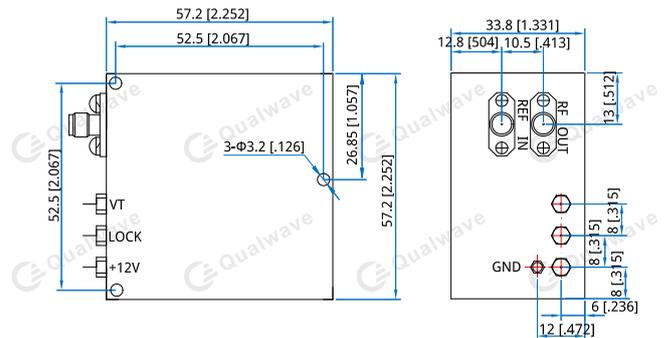
Operating Temperature:	-40~+75°C
Non-operating Temperature:	-55~+85°C

### Mechanical

Size*1:	57.2*57.2*33.8mm 2.252*2.252*1.331in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	3-Φ3.2mm through-hole

[1] Exclude connectors.

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### How To Order

**QPDO-E-10-21.11**

Customization is available upon request.