

## QPDO-E-25-18.2-1

External Reference, 25MHz, 18.2GHz

### Features:

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

### Applications:

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

### Electrical

Output Frequency:	18.2GHz
Output Power:	+13~+15dBm
Input Power:	10±3dBm
Output VSWR:	3 max.
Output Spurious:	-76dBc max. @±(10MHz~2GHz)
Output Harmonics:	-20dBc max. @9.1GHz&27.3GHz
External Reference:	25MHz
	-110dBc/Hz max. @10Hz
	-137dBc/Hz max. @100Hz
	-156dBc/Hz max. @1KHz
	-165dBc/Hz max. @10KHz
	-168dBc/Hz max. @100KHz
Output Phase Noise*1:	-40dBc/Hz max. @10Hz
	-65dBc/Hz max. @100Hz
	-95dBc/Hz max. @1KHz
	-105dBc/Hz max. @10KHz
	-110dBc/Hz max. @100KHz
	-125dBc/Hz max. @1MHz
	-135dBc/Hz max. @10MHz min.
Voltage:	+12±0.5V DC
Current:	600mA max. (first) 450mA max. (stable)
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

[1] Phase noise between two specified frequency points shall not be higher than the piecewise straight line drawn between the two points on a dB vs. log frequency plot.

Phase noise shall be in compliance over the specified Operational Temperature at mounting plate.

### Environmental

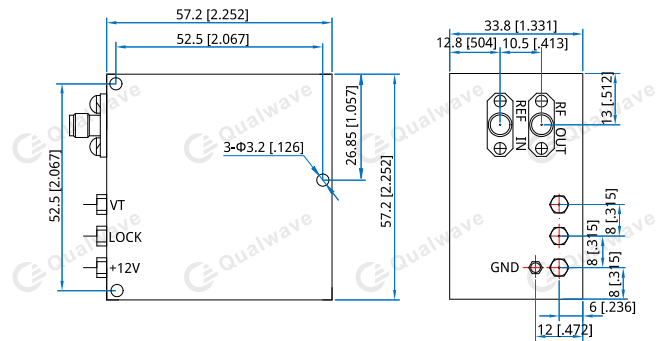
Operating Temperature:	-50~+75°C
Non-operating Temperature:	-55~+85°C

### Mechanical

Size*2:	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

[2] Exclude connectors.

### Outline Drawings



Unit: mm [in]  
Tolerance: ±0.5mm [±0.02in]

### How To Order

#### QPDO-E-25-18.2-1

Customization is available upon request.