

## QPDO-E-25-20

External Reference, 25MHz, 20GHz

### Features:

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

### Applications:

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

### Electrical

Output Frequency:	20GHz
Output Power:	+13~+15dBm
Reference Input Power:	10±3dBm
Output Spurious:	-76dBc max. @±(10MHz to 2GHz)
Output Harmonics:	-20dBc max. ( @10GHz,30GHz,40GHz )
External Reference:	25MHz (-115dBc/Hz max. @10Hz -140dBc/Hz max. @100Hz -155dBc/Hz max. @1KHz -165dBc/Hz max. @10KHz -168dBc/Hz max. @100KHz)
Output Phase Noise:	-49dBc/Hz max. @10Hz -79dBc/Hz max. @100Hz -89dBc/Hz max. @1KHz -99dBc/Hz max. @10KHz -109dBc/Hz max. @100KHz -119dBc/Hz max. @1MHz -129dBc/Hz max. @10MHz min.
Voltage:	+12±0.5V DC
Current:	500mA max. (first) 450mA max. (stable)
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

### Environmental

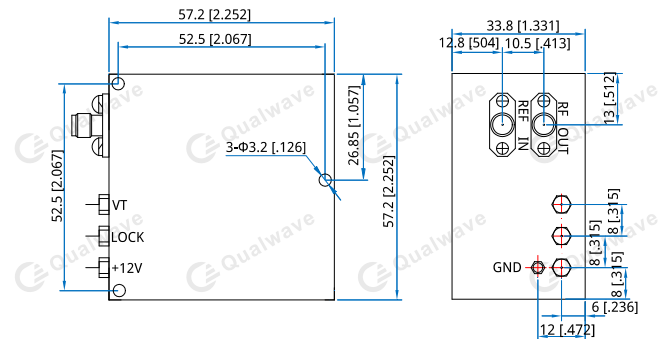
Operating Temperature:	-45~+75°C
Non-operating Temperature:	-55~+85°C

### 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-25-20**

Customization is available upon request.