

# QPDO-E-10-8

## External Reference, 10MHz, 8GHz

**Features:**

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

**Applications:**

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

### Electrical

Output Frequency:	8GHz
Output Power:	13dBm min
Spurious:	-70dBc max.
Harmonic:	-20dBc max.
External Reference:	10MHz
Phase Noise:	0~+10dBm
	-90dBc/Hz@100Hz
	-113dBc/Hz@1KHz
	-120dBc/Hz@10KHz
	-120dBc/Hz@100KHz
	-140dBc/Hz@1MHz
Voltage:	+12V DC
Current:	600mA max.
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked
Impedance:	50Ω

### Mechanical

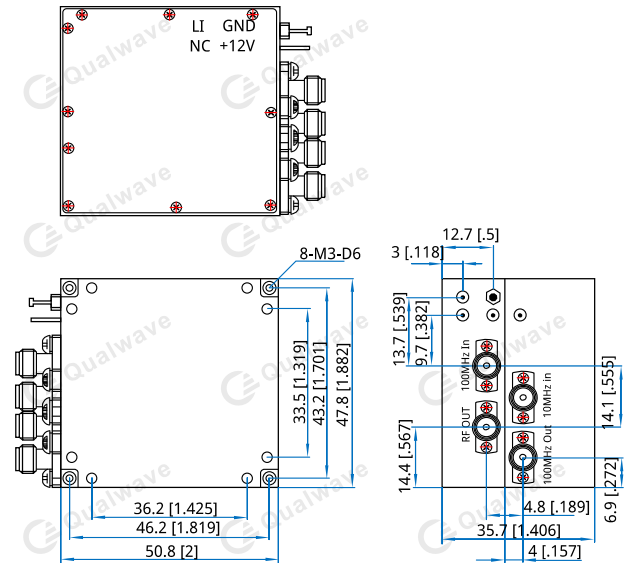
Size*1:	50.8*47.8*35.7mm
	2*1.882*1.406in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through
Mounting:	8-M3, depth 6mm

[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-10-8

Customization is available upon request.