

QPDO-E-100-8.5

External Reference, 100MHz, 8.5GHz

Features:

- * High Frequency Stability
- * Ultra Low Phase Noise

Applications:

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

Electrical

Output Frequency:	8.5GHz
Output Power:	14.5dBm $\pm$ 1dB 13dBm min.
Output Spurious:	-80dBc max. @ $\pm$ 1GHz
Output Harmonic:	-30dBc max.
External Reference:	100MHz(-5~+5dBm) -135dBc/Hz @100Hz max. -160dBc/Hz @1KHz max. -175dBc/Hz @10KHz max. -175dBc/Hz @100KHz max.
Output Phase Noise (typ.):	-105dBc/Hz @1KHz max. -115dBc/Hz @10KHz max. -120dBc/Hz @100KHz max.
Output Phase Noise (max.):	-95dBc/Hz @1KHz max. -105dBc/Hz @10KHz max. -115dBc/Hz @100KHz max.
Output VSWR:	2 max.
Voltage:	+12V DC
Current:	300mA max.
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

Mechanical

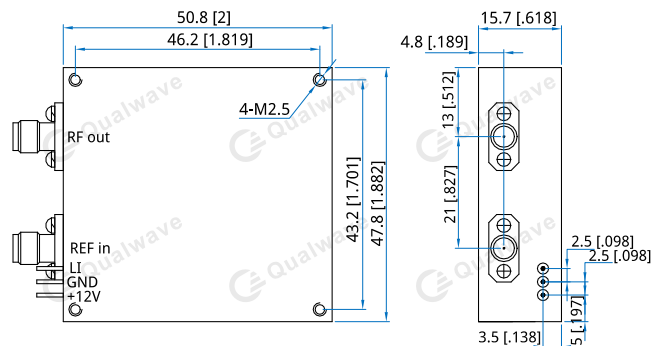
Size*1:	50.8*47.8*15.7mm 2*1.882*0.618in
RF Connectors:	SMA female (removable)
Power Supply Interface:	Feed through/Terminal post
Mounting:	4-M2.5mm through-hole

[1] Exclude connectors.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: $\pm$ 0.2mm [$\pm$ 0.008in]

How To Order

QPDO-E-100-8.5

Customization is available upon request.