

QPDO-E-10-40.5

External Reference, 10MHz, 40.5GHz

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|----------------------------|-------------------|
| Features: | Applications: |
| * High Frequency Stability | * Wireless |
| * Ultra Low Phase Noise | * Transceiver |
| | * Laboratory Test |
| | * Radar |

Electrical

Output Frequency:	40.5GHz
Output Power:	10dBm min.
Reference Input Power:	0~+5dBm
Output Spurious:	-68dBc max. @±(10MHz to 2GHz)
Output Harmonics:	-20dBc max. @10.125GHz, 20.25GHz, 30.375GHz
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:	-65dBc/Hz max. @100Hz -95dBc/Hz max. @1KHz -98dBc/Hz max. @10KHz -98dBc/Hz max. @100KHz -110dBc/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

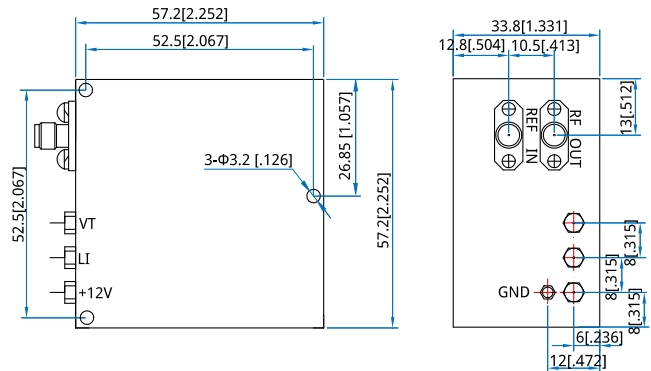
Operating Temperature:	-55~+50°C
Non-operating Temperature:	-55~+85°C

Mechanical

Size*1:	57.2*57.2*33.8mm 2.252*2.252*1.331in
RF In Connectors:	SMA Female
RF Out Connectors:	2.92mm 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-10-40.5

Customization is available upon request.