

## FPDO-E-10-38

External Reference, 10MHz, 38GHz

### Features:

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

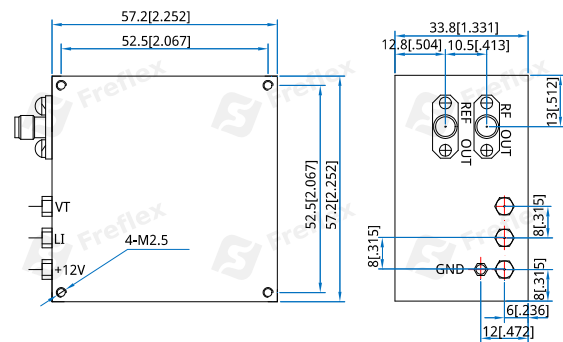
### Applications:

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

### Electrical

Output Frequency:	38GHz
Output Power:	18dBm min.
Input Power:	5±3dBm
Frequency Stability:	Follow reference frequency
Output Spurious:	-68dBc max.
Output Harmonic:	-50dBc max. (@9.5GHz, 19GHz, 28.5GHz)
External Reference:	10MHz
Output Phase Noise:	-68dBc/Hz@100Hz max. -102dBc/Hz@1KHz max. -105dBc/Hz@10KHz max. -105dBc/Hz@100KHz max. -125dBc/Hz@1MHz max.
Voltage:	+12V DC
Current:	1000mA max. (first) 900mA max. (stable)
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### How To Order

**FPDO-E-10-38**

Customization is available upon request.

### Mechanical

Size <sup>*1</sup> :	57.2*57.2*33.8mm 2.252*2.252*1.331in
REF In Connectors:	SMA Female
RF Out Connectors:	2.92mm Female
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