

## FPDO-E-10-13

External Reference, 10MHz, 13GHz

### Features:

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

### Applications:

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

### Electrical

Output Frequency:	13GHz
Output Power:	11dBm min.
Reference Input Power:	0±3dBm
Output Spurious:	-70dBc max. (@±1GHz)
Output Harmonics:	-25dBc max.
External Reference:	10MHz
	-170dBc/Hz max. @10KHz
Output Phase Noise:	-80dBc/Hz max. @100Hz
	-110dBc/Hz max. @1KHz
	-114dBc/Hz max. @10KHz
	-114dBc/Hz max. @100KHz
	-130dBc/Hz max. @1MHz
Voltage:	+12V DC
Current:	700mA max. (first)
	450mA max. (stable)
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

### Mechanical

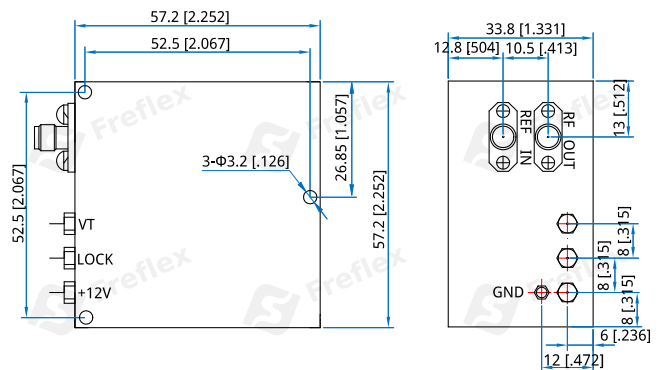
Size <sup>*1</sup> :	57.2*57.2*33.8mm
	2.252*2.252*1.331in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	3-Φ3.2mm through-hole

[1] Exclude connectors.

### Environmental

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

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### How To Order

**FPDO-E-10-13**

Customization is available upon request.