

## FPDO-E-10-1-2

External Reference, 10MHz, 1GHz

### Features:

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

### Applications:

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

### Electrical

Output Frequency:	1GHz
Output Power:	18dBm min.
External Reference:	10MHz
Reference Input Power:	0±3dBm
Output Phase Noise:	-92dBc/Hz @100Hz max. -98dBc/Hz @1KHz max. -109dBc/Hz @10KHz max. -130dBc/Hz @100KHz max. -143dBc/Hz @1MHz max.
Output Spurious:	-70dBc max.
Output Harmonic:	-63dBc @2GHz max. -65dBc @3GHz max. -60dBc @4GHz max.
Voltage:	+12V
Current:	550mA max. (stable) 700mA max. (first)
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

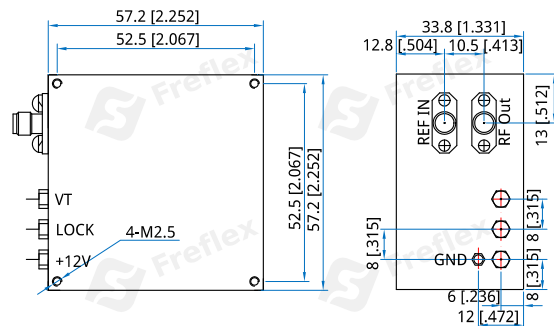
### Mechanical

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:	4-M2.5mm through-hole

### 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-10-1-2**

Customization is available upon request.