

## FPDO-EI-10-8

Internal Reference & External Reference, 10MHz, 8GHz

### Features:

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

### Applications:

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

### Electrical

Output Frequency:	8GHz
Frequency Stability:	±0.1ppm max. As external reference when applied
Output Power:	13~15dBm
Spurious:	-70dBc max.
Harmonic:	-20dBc max.
External Reference	10MHz
(Auto sense):	0~+10dBm
Phase Noise:	-90dBc/Hz@100Hz -113dBc/Hz@1KHz -120dBc/Hz@10KHz -120dBc/Hz@100KHz -140dBc/Hz@1MHz
Voltage:	+12V DC
Current:	600mA max.
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

### Mechanical

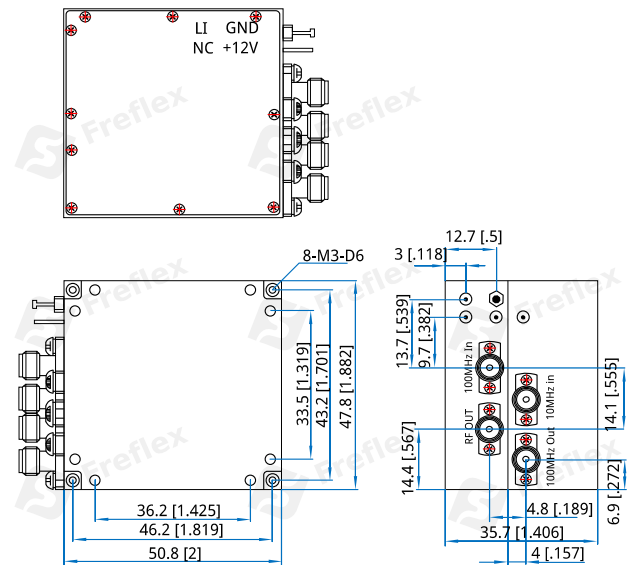
Size <sup>*1</sup> :	50.8*47.8*35.7mm 2*1.882*1.406in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	8-M3, Depth 6mm

[1] Exclude connectors.

### Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+85°C

### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

### How To Order

**FPDO-EI-10-8**

Customization is available upon request.