

## FPDO-E-10-9.75

External Reference, 10MHz, 9.75GHz

### Features:

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

### Applications:

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

### Electrical

|                      |                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Output Frequency:    | 9.75GHz                                                                                                                      |
| Output Power:        | 16dBm min.                                                                                                                   |
| Output Spurious:     | -70dBc max.                                                                                                                  |
| Output Harmonic:     | -20dBc max.                                                                                                                  |
| External Reference:  | 10MHz                                                                                                                        |
| Input Power:         | 0±3dBm                                                                                                                       |
| Output Phase Noise:  | -88dBc/Hz max. @100Hz<br>-112dBc/Hz max. @1KHz<br>-120dBc/Hz max. @10KHz<br>-120dBc/Hz max. @100KHz<br>-140dBc/Hz max. @1MHz |
| Voltage:             | +12V DC                                                                                                                      |
| Current:             | 700mA max. (first)<br>550mA max. (stable)                                                                                    |
| Lock Indicator (LI): | TTL logic<br>High: locked<br>Low: unlocked                                                                                   |
| External Reference   | TTL logic                                                                                                                    |
| Instructions (ALM):  | High: Yes<br>Low: No                                                                                                         |

### Mechanical

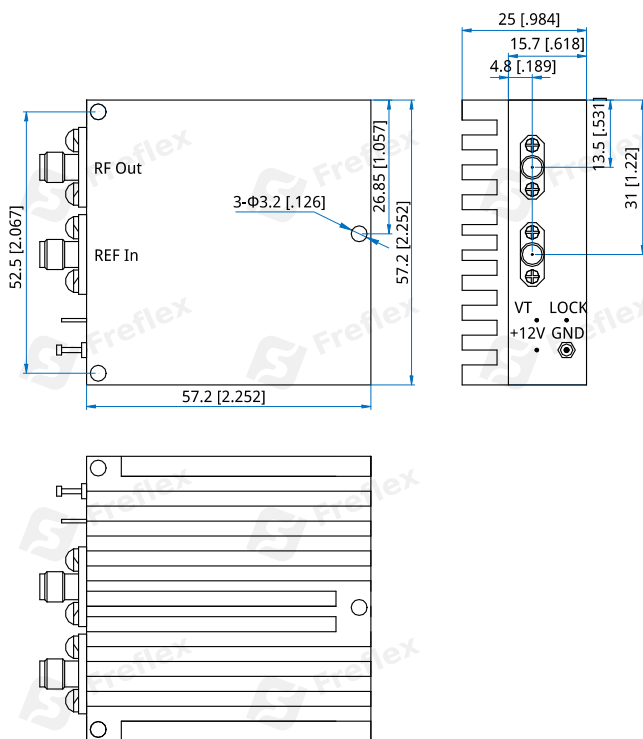
|                         |                                       |
|-------------------------|---------------------------------------|
| Size*1:                 | 57.2*57.2*25mm<br>2.252*2.252*0.984in |
| RF Connectors:          | SMA Female                            |
| Power Supply Interface: | Feed 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-10-9.75**

Customization is available upon request.