

## FPDO-I-50-1.37

Internal Reference, 50MHz, 1.37GHz

### Features:

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

### Applications:

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

### Electrical

|                      |                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------|
| Output Frequency:    | 1.37GHz                                                                                         |
| Frequency Stability: | ±0.2ppm max.                                                                                    |
| Output Power:        | 18dBm min.                                                                                      |
| Spurious:            | -75dBc max. @±1GHz                                                                              |
| Harmonic:            | -20dBc max.                                                                                     |
| Internal Reference:  | 50MHz                                                                                           |
| Phase Noise:         | -100dBc/Hz@100Hz<br>-125dBc/Hz@1KHz<br>-128dBc/Hz@10KHz<br>-129dBc/Hz@100KHz<br>-140dBc/Hz@1MHz |
| Voltage:             | +12V DC                                                                                         |
| Current:             | 600mA max.                                                                                      |
| Lock Indicator (LI): | TTL logic<br>High: locked<br>Low: unlocked                                                      |

### Mechanical

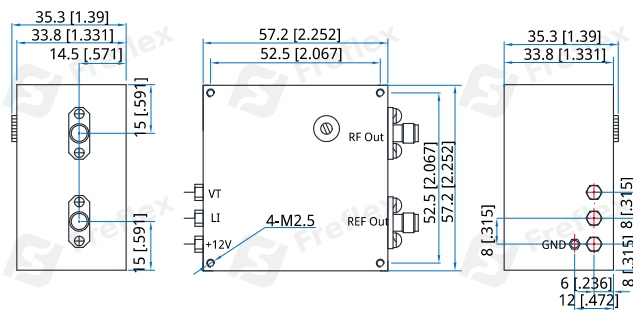
|                         |                                         |
|-------------------------|-----------------------------------------|
| Size*1:                 | 57.2*57.2*35.3 mm<br>2.252*2.252*1.39in |
| RF Connectors:          | SMA Female                              |
| Power Supply Interface: | Feed Through/Terminal Post              |
| Mounting:               | 4-M2.5 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-I-50-1.37**

Customization is available upon request.