

**FPDO-I-100-22-1**

Internal Reference, 100MHz, 22GHz

## Features:

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

## Applications:

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

## Electrical

|                      |                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Output Frequency:    | 22GHz                                                                                                                       |
| Frequency Stability: | ±0.5ppm max.                                                                                                                |
| Output Power:        | +13dBm min.                                                                                                                 |
| Output VSWR:         | 2 max.                                                                                                                      |
| Internal Reference:  | 100MHz                                                                                                                      |
| Output Phase Noise:  | -55dBc/Hz max. @100Hz<br>-90dBc/Hz max. @1KHz<br>-108dBc/Hz max. @10KHz<br>-108dBc/Hz max. @100KHz<br>-130dBc/Hz max. @1MHz |
| Output Spurious:     | -75dBc max. @±(10MHz to 1GHz)                                                                                               |
| Output Harmonic:     | -25dBc max. @11GHz & 33GHz                                                                                                  |
| Voltage:             | +10~+12V                                                                                                                    |
| Current:             | 500mA max.                                                                                                                  |
| Lock Indicator (LI): | TTL logic<br>High: locked<br>Low: unlocked                                                                                  |

## Mechanical

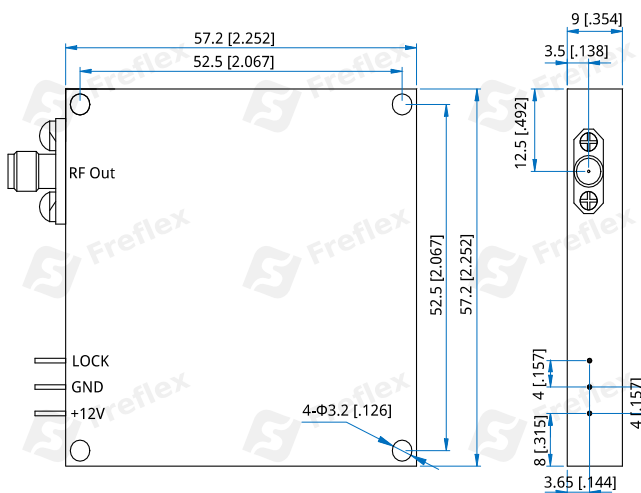
|                         |                                      |
|-------------------------|--------------------------------------|
| Size*1:                 | 57.2*57.2*9mm<br>2.252*2.252*0.354in |
| RF Connectors:          | SMA Female (Removable)               |
| Power Supply Interface: | Feed Through/Terminal Post           |
| Mounting:               | 4-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:  $\pm 0.2\text{mm}$  [ $\pm 0.008\text{in}$ ]

## How To Order

FPDO-I-100-22-1

Customization is available upon request.