

# FPDO-I-100-0.9-2.1

Internal Reference, 100MHz, 0.9GHz, 2.1GHz

### Features:

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

## Applications:

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

## Electrical

|                             |                        |
|-----------------------------|------------------------|
| Output Frequency (RF Out1): | 0.9GHz                 |
| Output Frequency (RF Out2): | 2.1GHz                 |
| Output Power (RF Out1):     | 10dBm min.             |
| Output Power (RF Out2):     | 20dBm min.             |
| Output Power (REF Out):     | -3~0dBm                |
| Frequency Stability:        | ±1ppm max.             |
| Spurious:                   | -80dBc max.            |
| Harmonic:                   | -20dBc max.            |
| Internal Reference:         | 100MHz                 |
|                             | -150dBc/Hz max. @1KHz  |
|                             | -160dBc/Hz max. @10KHz |
| Phase Noise:                | -120dBc/Hz max. @10KHz |
| Voltage:                    | +12V DC                |
| First Current:              | 960mA max.             |
| Stable Current:             | 900mA max.             |
| Lock Indicator (LI):        | TTL logic              |
|                             | High: locked           |
|                             | Low: unlocked          |

## Mechanical

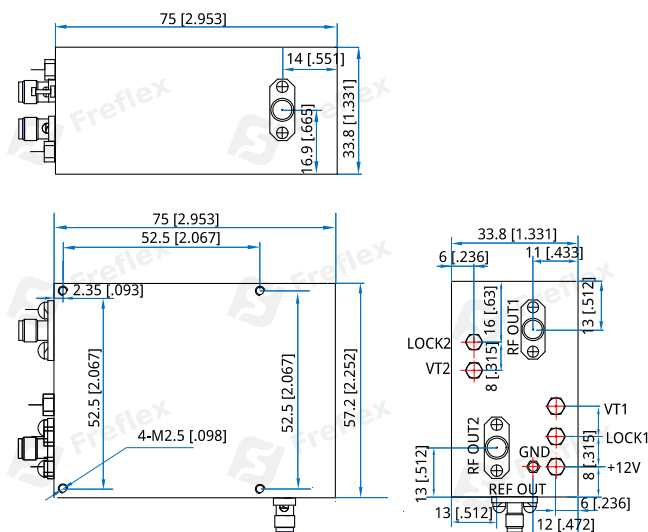
|                         |                                       |
|-------------------------|---------------------------------------|
| Size*1:                 | 75*57.2*33.8mm<br>2.953*2.252*1.331in |
| RF Connectors:          | SMA Female                            |
| Power Supply Interface: | Feed Through/Terminal Post            |
| Mounting:               | 4-M2.5 through-hole                   |

[1] Exclude connectors.

## Environmental

|                            |           |
|----------------------------|-----------|
| Operating Temperature:     | -40~+80°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-100-0.9-2.1**

Customization is available upon request.