

## FPDO-I-75-23.85

Internal Reference, 75MHz, 23.85GHz

### Features:

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

### Applications:

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

### Electrical

|                      |                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Output Frequency:    | 23.85GHz                                                                                                                |
| Output Power:        | 15dBm min                                                                                                               |
| Frequency Stability: | ±2.5ppm max.                                                                                                            |
| Output Spurious:     | -70dBc max.                                                                                                             |
| Output Harmonic:     | -20dBc max. @11.925GHz,<br>35.775GHz, 47.7GHz                                                                           |
| Internal Reference:  | 75MHz                                                                                                                   |
| Output Phase Noise:  | -70dBc/Hz@100Hz max.<br>-100dBc/Hz@1KHz max.<br>-105dBc/Hz@10KHz max.<br>-107dBc/Hz@100KHz max.<br>-120dBc/Hz@1MHz max. |
| Voltage:             | +12V DC                                                                                                                 |
| Current:             | 700mA max. (first)<br>550mA max. (stable)                                                                               |
| Lock Indicator (LI): | TTL logic<br>High: locked<br>Low: unlocked                                                                              |

### Mechanical

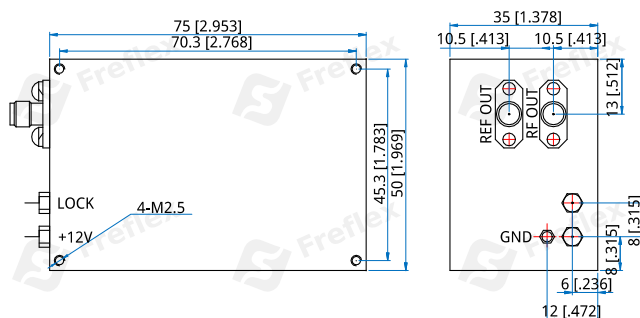
|                         |                                   |
|-------------------------|-----------------------------------|
| Size <sup>*1</sup> :    | 75*50*35mm<br>2.953*1.969*1.378in |
| RF Out Connectors:      | 2.92mm Female                     |
| REF Out Connectors::    | SMA Female                        |
| 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-75-23.85**

Customization is available upon request.