

## FPDO-I-80-7.68-1

Internal Reference, 80MHz, 7.68GHz

### Features:

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

### Applications:

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

### Electrical

|                      |                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Output Frequency:    | 7.68GHz                                                                                                               |
| Frequency Stability: | ±1ppm max.                                                                                                            |
| Output Power:        | +14.5±1dBm                                                                                                            |
| Phase Noise:         | -80dBc/Hz@100Hz max.<br>-105dBc/Hz@1KHz max.<br>-115dBc/Hz@5KHz max.<br>-120dBc/Hz@10KHz max.<br>-130dBc/Hz@1MHz max. |
| Internal Reference:  | 80MHz<br>-160dBc/Hz@1KHz max.                                                                                         |
| Harmonic:            | -20dBc max.                                                                                                           |
| Spurious:            | -80dBc max. @±1GHz                                                                                                    |
| Voltage:             | +12V DC                                                                                                               |
| Current:             | 700mA max.                                                                                                            |
| Lock Indicator (LI): | TTL logic<br>High: locked<br>Low: unlocked                                                                            |

### Mechanical

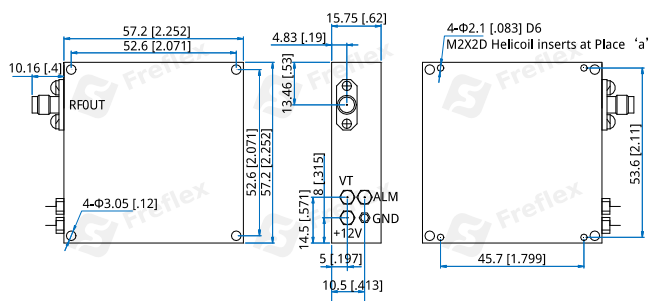
|                         |                                         |
|-------------------------|-----------------------------------------|
| Size*1:                 | 57.2*57.2*15.75mm<br>2.252*2.252*0.62in |
| Output Connectors:      | SMA female                              |
| Power Supply Interface: | Feed Through/Terminal Post              |
| Mounting:               | 4-Φ3.05mm 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-80-7.68-1**

Customization is available upon request.