

## FPXO-100-5ET-165-1

### 100MHz, External Reference

Features:  
\* Low phase noise

Applications:  
\* Wireless  
\* Transceiver  
\* Laboratory Test

#### Electrical

|                      |                        |
|----------------------|------------------------|
| Output Frequency:    | 100MHz                 |
| External Reference:  | 10MHz                  |
|                      | 0~+10dBm               |
| Frequency Stability: | ±0.5ppm max.           |
| Frequency Accuracy:  | ±0.5ppm max.           |
| Output Power:        | 5dBm min.              |
| Spurious:            | -70dBc max.            |
| Harmonic:            | -30dBc max.            |
| Phase Noise:         | -125dBc/Hz@100Hz       |
|                      | -155dBc/Hz@1KHz max.   |
|                      | -165dBc/Hz@10KHz max.  |
|                      | -165dBc/Hz@100KHz max. |
|                      | -165dBc/Hz@1MHz max.   |
| Voltage:             | +12V DC                |
| Current:             | 500mA max.             |
| Impedance:           | 50Ω                    |

#### Mechanical

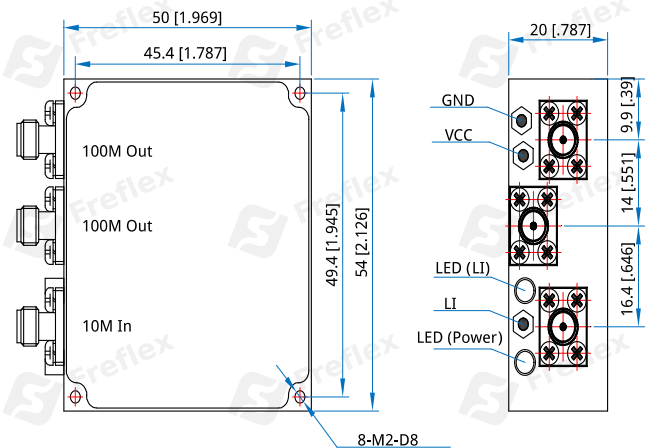
|                |                     |
|----------------|---------------------|
| Size*1:        | 50*54*20mm          |
|                | 1.969*2.126*0.787in |
| RF Connectors: | SMA Female          |
| Mounting:      | 8-M2, depth 8mm     |

[1] Exclude connectors.

#### Environmental

|                            |           |
|----------------------------|-----------|
| Operating Temperature:     | -40~+75°C |
| Non-operating Temperature: | -45~+85°C |

#### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

#### How To Order

**FPXO-100-5ET-165-1**

Customization is available upon request.