

FPDO-E-25-10.8

External Reference, 25MHz, 10.8GHz

Features:

- * High Frequency Stability
- * Ultra Low Phase Noise

Applications:

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

Electrical

Output Frequency:	10.8GHz
Frequency Stability:	Follow the external reference
Output Power:	+13~+15dBm
Input Power:	10±3dBm
Output Spurious:	-76dBc max. @±(10MHz to 2GHz)
Output Harmonics:	-20dBc max.
External Reference:	25MHz (-110dBc/Hz max. @10Hz -137dBc/Hz max. @100Hz -156dBc/Hz max. @1KHz -165dBc/Hz max. @10KHz -168dBc/Hz max. @100KHz)
Output Phase Noise* ¹ :	-45dBc/Hz max. @10Hz -65dBc/Hz max. @100Hz -75dBc/Hz max. @1KHz -85dBc/Hz max. @10KHz -95dBc/Hz max. @100KHz -115dBc/Hz max. @1MHz -135dBc/Hz max. @10MHz min.
Output VSWR:	3 max.
Voltage:	+12±0.5V
Current:	600mA max. (first) 500mA max. (stable)
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

[1] Total temperature, monotonically decreasing, there shall be no phase noise above the piecewise linear curve defined between the two points on a dB vs. log frequency plot.

Environmental

Operating Temperature:	-40~+75°C
Non-operating Temperature:	-55~+85°C

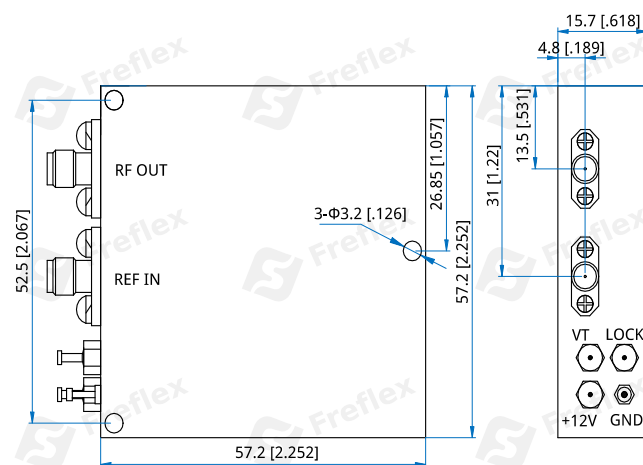
Mechanical

Size* ² :	57.2*57.2*15.7mm 2.252*2.252*0.618in
RF Connectors:	SMA Female
Power Supply Interface* ³ :	Feed Through/Terminal Post
Mounting:	3-Φ3.2mm through-hole

[2] Exclude connectors.

[3] PIN: Φ0.7.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

FPDO-E-25-10.8

Customization is available upon request.