

FPDO-I-125-30.5

Internal Reference, 125MHz, 30.5GHz

Features:

- * High Frequency Stability
- * Ultra Low Phase Noise

Applications:

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

Electrical

Output Frequency:	30.5GHz
Output Power:	10dBm min.
Frequency Stability:	$\pm 0.1\text{ppm}$ @0~50°C
Spurious:	-68dBc max. @ $\pm(10\text{MHz}\sim 1\text{GHz})$
Harmonics:	-25dBc max. @7.625&15.25&22.875GHz
Internal Reference:	125MHz
Phase Noise:	-65dBc/Hz max. @100Hz -95dBc/Hz max. @1KHz -105dBc/Hz max. @10KHz -105dBc/Hz max. @100KHz -125dBc/Hz max. @1MHz
Voltage:	+12 $\pm 0.5\text{V}$
Current:	700mA max. (first) 600mA max. (stable)
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

Mechanical

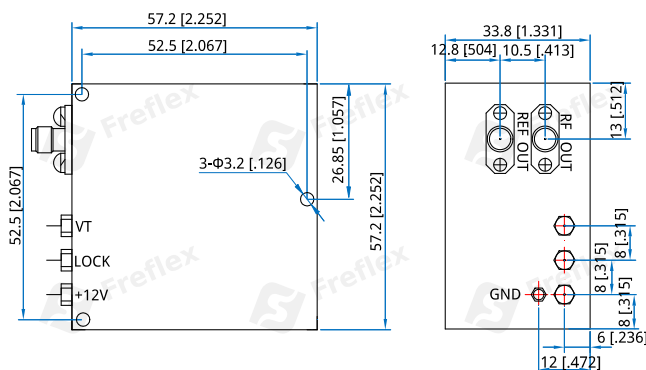
Size ^{*1} :	57.2*57.2*33.8mm 2.252*2.252*1.331in
RF Connectors:	SMA Female (125MHz) 2.92mm Female (30.5GHz)
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	3- $\Phi 3.2\text{mm}$ through-hole

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+75°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-125-30.5

Customization is available upon request.