

FPDO-E-25-13.825

External Reference, 25MHz, 13.825GHz

Features:

- * High Frequency Stability
- * Ultra Low Phase Noise

Applications:

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

Electrical

Output Frequency:	13.825GHz
Output Power:	+13~+15dBm
Reference 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:	-47dBc/Hz max. @10Hz -76dBc/Hz max. @100Hz -100dBc/Hz max. @1KHz -108dBc/Hz max. @10KHz -113dBc/Hz max. @100KHz -130dBc/Hz max. @1MHz -141dBc/Hz max. @10MHz min.
Input VSWR:	3 max.
Voltage:	+12±0.5V DC
Current:	700mA max. (first) 500mA max. (stable)
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

Explanatory Note:

1. Phase noise between two specified frequency points shall be lower than the straight line drawn between the two points on a dB vs. log frequency plot.
2. RoHS requirement as per Directive 2011/65/ EU and its subsequent amendments, including the Directive EU 2015/863.

Environmental

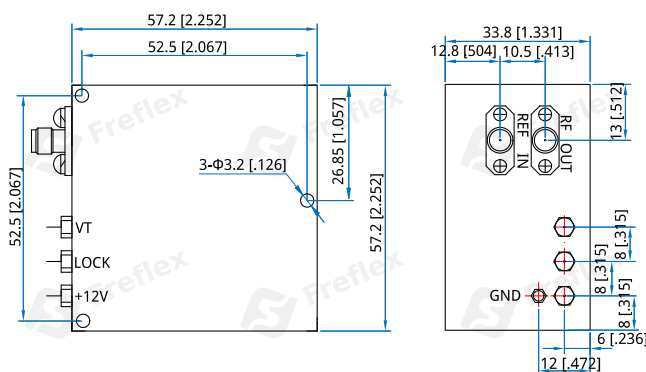
Operating Temperature:	-45~+75°C
Non-operating Temperature:	-55~+85°C

Mechanical

Size*1:	57.2*57.2*33.8mm 2.252*2.252*1.331in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	3-Φ3.2mm through-hole

[1] Exclude connectors.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

FPDO-E-25-13.825

Customization is available upon request.