

FPDO-E-10-37.82-38

External Reference, 10MHz, 37.82GHz & 38GHz

Features:

- * High Frequency Stability
- * Ultra Low Phase Noise

Applications:

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

Electrical

Output Frequency:	37.82GHz & 38GHz
Output Power:	20dBm min.
Frequency Stability:	Follow reference frequency
Output Spurious:	-68dBc max.
Output Harmonic:	-35dBc max. (@9.455GHz, 9.5GHz, 18.91GHz, 19GHz, 28.365GHz, 28.5GHz)
IMD3:	-40dBc max.
External Reference:	10MHz (0±5dBm)
Output Phase Noise:	-60dBc/Hz@100Hz max. (37.82GHz)
	-95dBc/Hz@1KHz max. -100dBc/Hz@10KHz max. -100dBc/Hz@100KHz max. -125dBc/Hz@1MHz max.
Output Phase Noise:	-68dBc/Hz@100Hz max. (38GHz)
	-102dBc/Hz@1KHz max. -105dBc/Hz@10KHz max. -105dBc/Hz@100KHz max. -125dBc/Hz@1MHz max.
Voltage:	+12V
Current:	2.5A max. (first) 2A max. (stable)
Lock Indicator (LI):	TTL logic High: locked Low: unlocked

Environmental

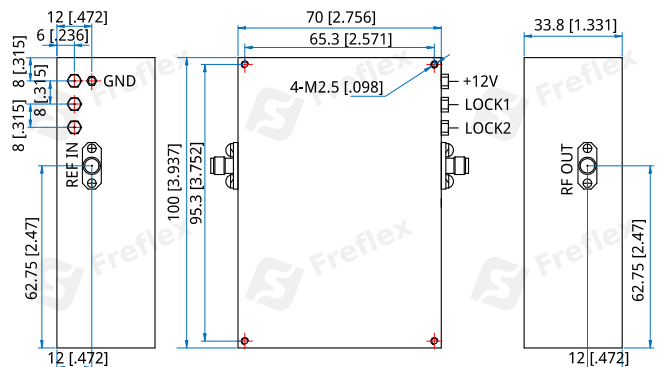
Operating Temperature:	-40~+75°C
Non-operating Temperature:	-55~+85°C

Mechanical

Size*1:	100*70*33.8mm 3.937*2.756*1.331in
REF In Connectors:	SMA Female
RF Out Connectors:	2.92mm Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	4-M2.5mm through-hole

[1] Exclude connectors.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

FPDO-E-10-37.82-38

Customization is available upon request.