Freflex

Phase-locked Dielectric Resonator Oscillator

FPDO-I-100-7.6275

Internal Reference, 100MHz, 7.6275GHz

Features:
* High Frequency Stability
* Ultra Low Phase Noise

Applications:
* Wireless
* Transceiver
* Laboratory Test
* Radar

Electrical

Output Frequency:	7.6275GHz
Frequency Stability:	±0.3ppm
Output Power:	14dBm min
Spurious:	-70dBc max.
Harmonic:	-20dBc max.
Internal Reference:	100MHz
	-125dBc/Hz@100Hz
	-155dBc/Hz@1KHz
	-165dBc/Hz@10KHz
	-165dBc/Hz@100KHz
	-165dBc/Hz@1MHz
Phase Noise*1:	P+20lg(N)+3dBc/Hz
	-115dBc/Hz@100KHz
	-133dBc/Hz@1MHz
Voltage:	+12V DC
Current:	650mA max.
Lock Indicator (LI):	TTL logic
	High: locked
	Low: unlocked

[1] The formula to calculate phase noise of the offset 100Hz, 1KHz and 10KHz, where P is the respective phase noise of the external reference, and N is the ratio of output frequency to reference.

Mechanical

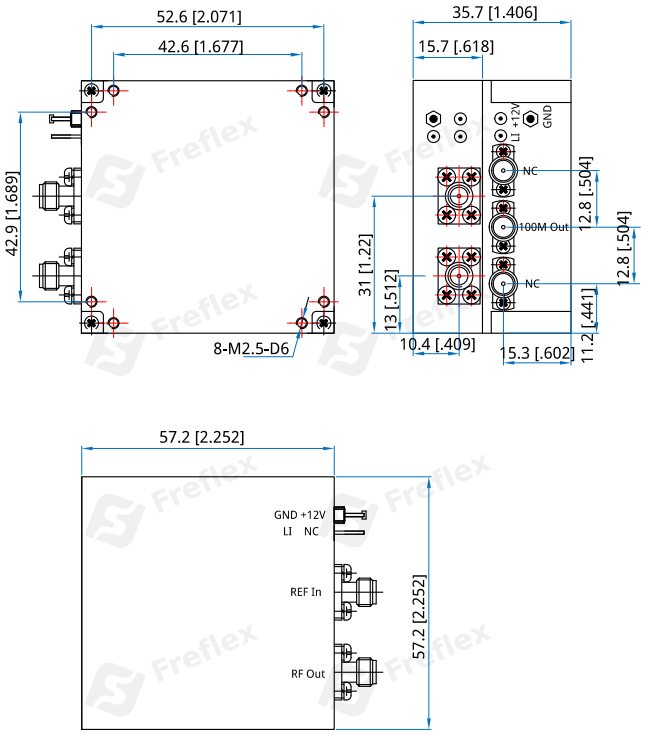
Size*1:	57.2*57.2*35.7mm
	2.252*2.252*1.406in
RF Connectors:	SMA Female
Power Supply Interface:	Feed Through/Terminal Post
Mounting:	8-M2.5, Depth 6mm

[1] Exclude connectors.

Environmental

Operating Temperature:	-40~+70℃
Non-operating Temperature:	-45~+85℃

Outline Drawings



Unit: mm [in]
Tolerance: ±0.2mm [±0.008in]

How To Order

FPDO-I-100-7.6275

Customization is available upon request.