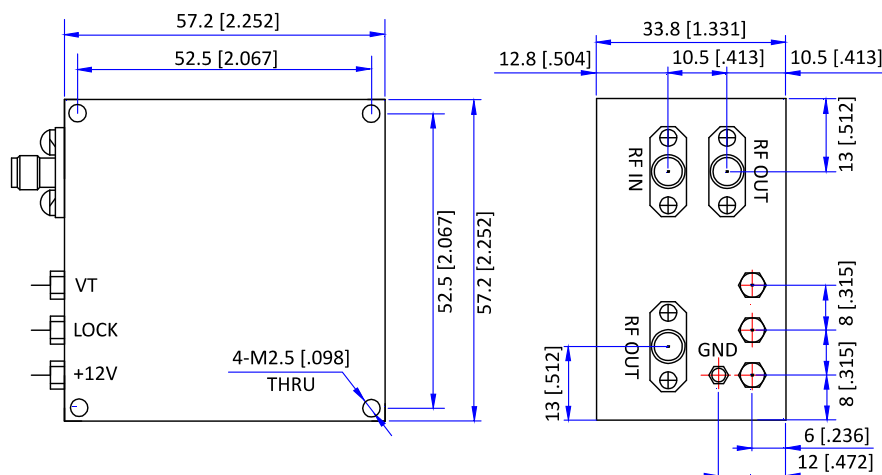


FSPDRO-40000-100E

Frequency Sources, PLDRO, 40 GHz, 100MHz External Reference

Electrical Specifications			
Output Frequency	40 GHz	Output Phase Noise	-75 dBc/Hz Max.@100Hz
Output Power	+13 dBm Min.		-102 dBc/Hz Max.@1kHz
Input Power	0-5 dBm		-105 dBc/Hz Max.@10kHz
Reference Frequency	100 MHz (0-5dBm)		-105 dBc/Hz Max.@100kHz
Reference Mode	External		-125 dBc/Hz Max.@1MHz
Frequency Stability ¹	±0.2 ppm Max.	Supply Voltage	+12 V
Harmonic	50 dBc Min. (@10GHz, @20GHz, @30GHz)	Supply Current	800 mA Max. (Initial) 700 mA Max. (Stable)
Spurious	68 dBc Min.	Lock indicator	TTL; H: Locked, L: Unlocked
Environmental Specifications			
Operating Temperature	-40°C~+75°C		
Storage Temperature	-55°C~+85°C		
Mechanical Specifications			
RF Connectors	Input: SMA-Female; Output: 2.92mm-Female		
DC/Control Interface	Feedthrough Pins		
Dimensions	57.2x57.2x33.8 mm [2.252x2.252x1.331 in]		

Outline Drawing (Dimension in mm [in], Tolerance: ±0.3mm [±0.01 in])



Ordering Information:

Model: **FSPDRO-40000-100E**

Notes:

1. With external reference: locked to the reference frequency; without external reference: ±0.2 ppm Max.