12.2GHz External Ref. and Internal Phase-locked PLDRO Rated at 12dBm Technical Data Sheet

ID:PDRO00134 PN：DP12-1220E10SFP

Features

- External Ref. and Internal Phase-locked
- Output Power：12dBm
- Output Freq.： 12.2 GHz
- Harmonics：-20 dBc
- RoHS and REACH Compliant

Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Output Frequency	GHz		12.2	
Output Power	dBm		12±1.5	
Phase Noise@10Hz	dBc/Hz			-
Phase Noise@100Hz	dBc/Hz			-70
Phase Noise@1KHz	dBc/Hz			-108
Phase Noise@10KHz	dBc/Hz			-114
Phase Noise@100KHz	dBc/Hz			-114
Phase Noise@1MHz	dBc/Hz			-128
Reference Frequency	MHz		10	
Reference Input Power	dBm		3 ± 3	
2nd Harmonics	dBc		-20	
Spurious	dBc		-70	
Supply Voltage	V		+12	
Current	mA		600	
Operating Temp.	℃	-40		+70
Lock Detect	TTL High （3.3V - 5V) in Lock 10MHz ；TTL Low (0V -0.7V) in Lock 100MHz			

Note

- Electronic Specification Note：Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;
- External Reference & Dual Loop Models Frequency Stability ：Same as External Reference.
- External Ref. Phase noise deteriorate：=20 log (Output Freq / Ref. Freq) +3

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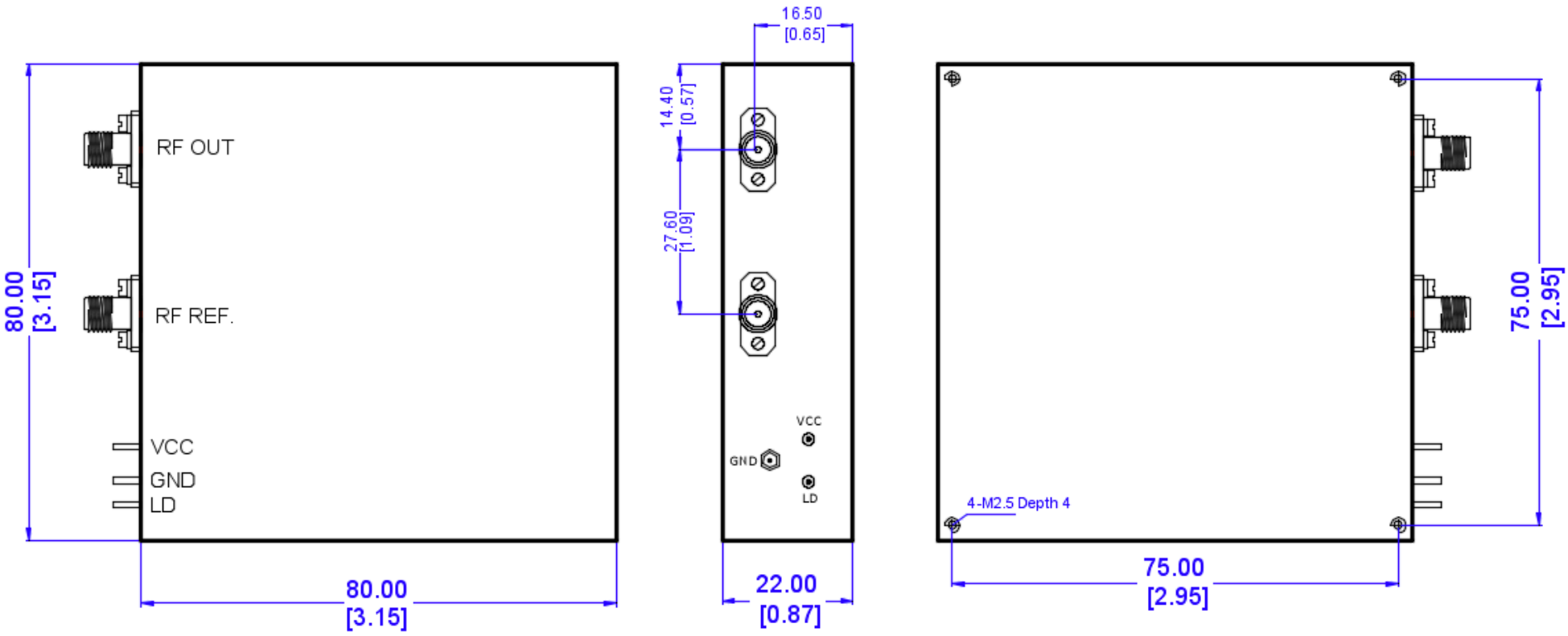
Mechanical Specifications

Dimension L*W*H	80*80*22 mm
Ref. Connector	SMA-Female Stainless Steel
Output Connectors	SMA-Female Stainless Steel
Weight	250 g
Finishing	Nickel Plated
Environment	Nominal

Compliance Certifications

RoHS Compliant	√
REACH Compliant	√

CAD Drawing



Dimensions are in mm [Inches]
Tolerances：Outline drawing: ±0.2 [0.008]
Hole: ±0.2 [0.008]

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