PLDRO Series

AWPLDRO Series

Your RF& Microwave components Source

Features:

Frequencies from 0.8GHz to 36 GHz
Operating temperature from -55℃ to +85℃
Ultra Low Phase Noise
Low spurious
Low power consumption
Phase lockable to references from 1 MHz to 300MHz

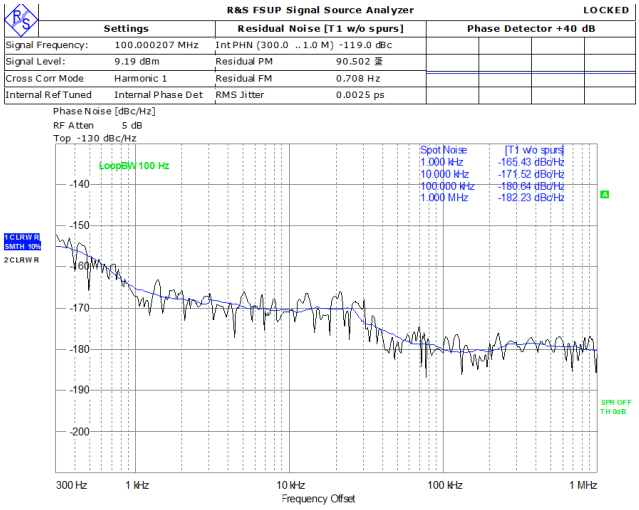
Applications:

EW Receivers
Communication Systems
Radar Systems
Satellite Communications

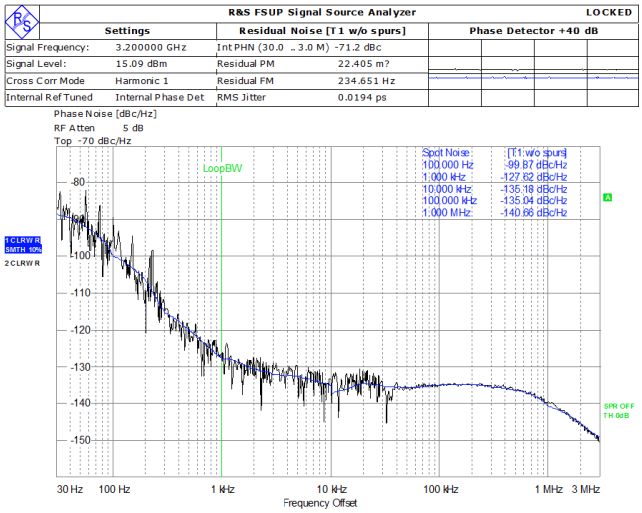
Specifications

Parameters		Typ.								Units
Output Frequency		0.8-36								GHz
External Reference Frequency		1 to 300								MHz
External REF Input Power		0±5								dB
External REF Phase Noise		≤-163dBc/Hz@1KHz								
Output Power		13								dB
Spurious		⩽-80								dBc
Harmonics		⩽-20								dBc
Load VSWR		2.0:1								
Phase Noise		Typical Phase Noise Data VS Frequency Point								
		1	2	4	5.8	9	12	14	16	18
	dBc/Hz@1KHz	20logN+3 / 20LogN / 20logN-3 (Optional)								
	dBc/Hz@10KHz									
	dBc/Hz@100KHz	148	140	133	126	122	120	116	114	113
	dBc/Hz@1MHz	159	157	152	144	136	136	132	130	125
Lock Alarm		TTL High For Locked								
Power Supply(+12V)		300								mA
Outline Dimensions		50.8×47.8×15.7 & 50.8×47.8×35.7								mm

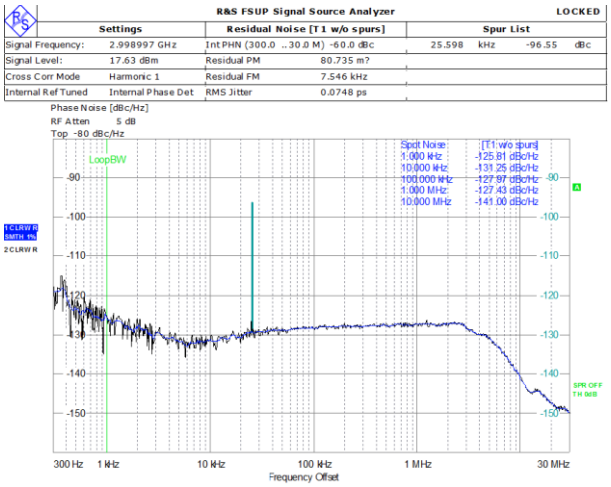
Electrical Specifications, TA = +25° C



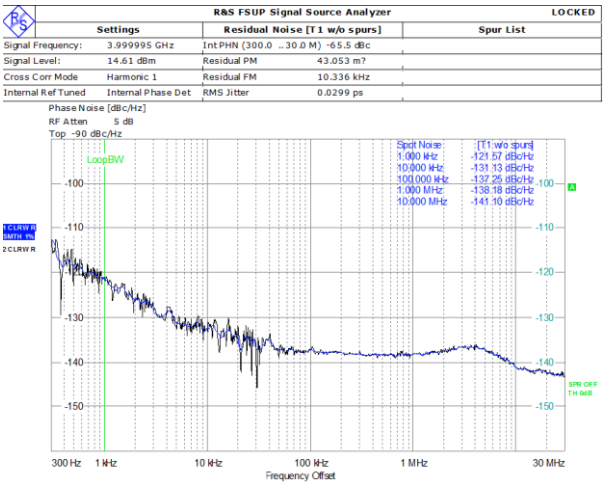
100MHz Phase Noise Plot



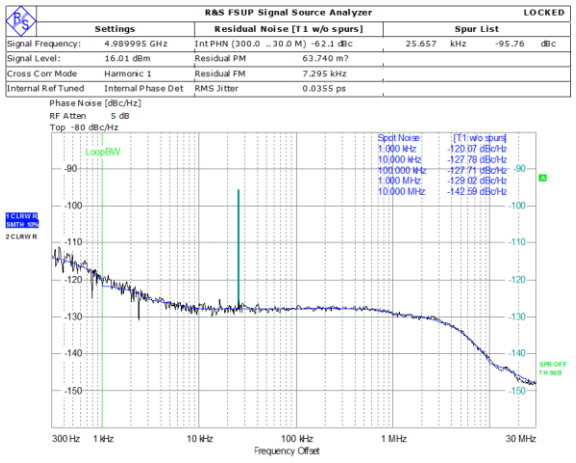
3.2GHz Phase Noise Plot



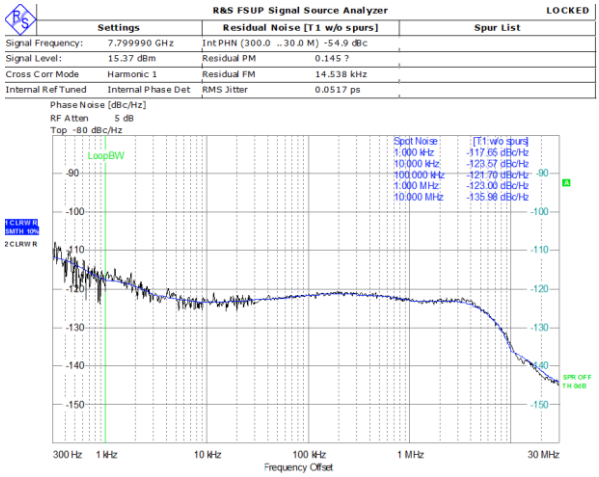
3GHz Phase Noise Plot



4GHz Phase Noise Plot

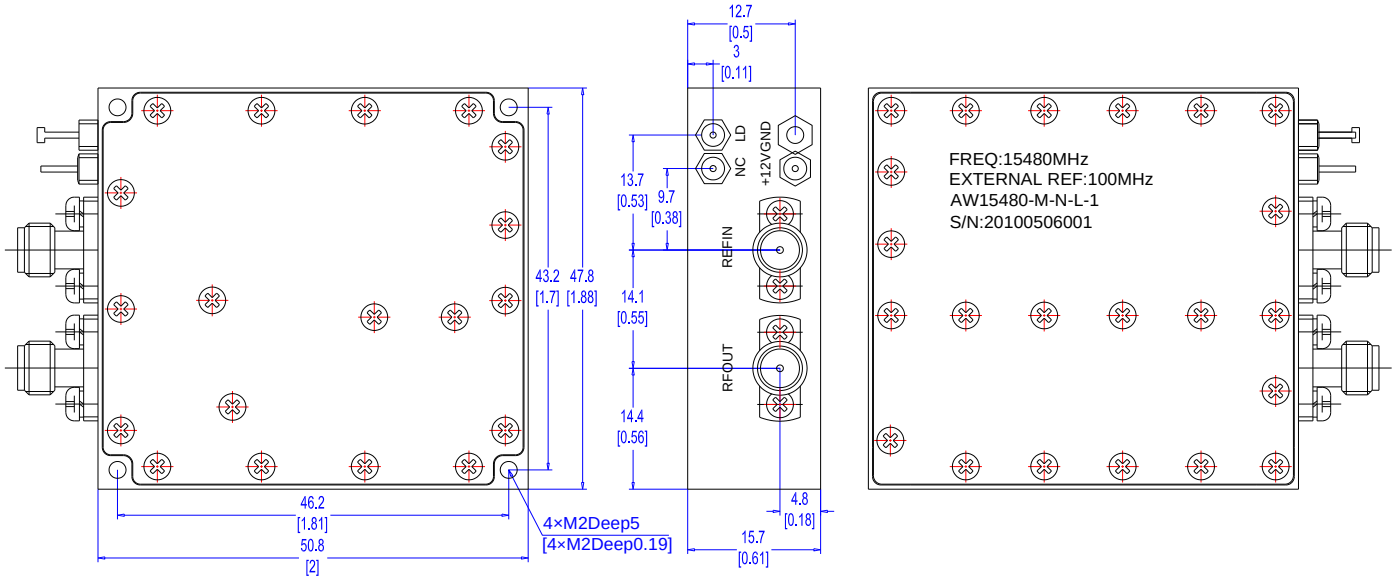


5GHz Phase Noise Plot

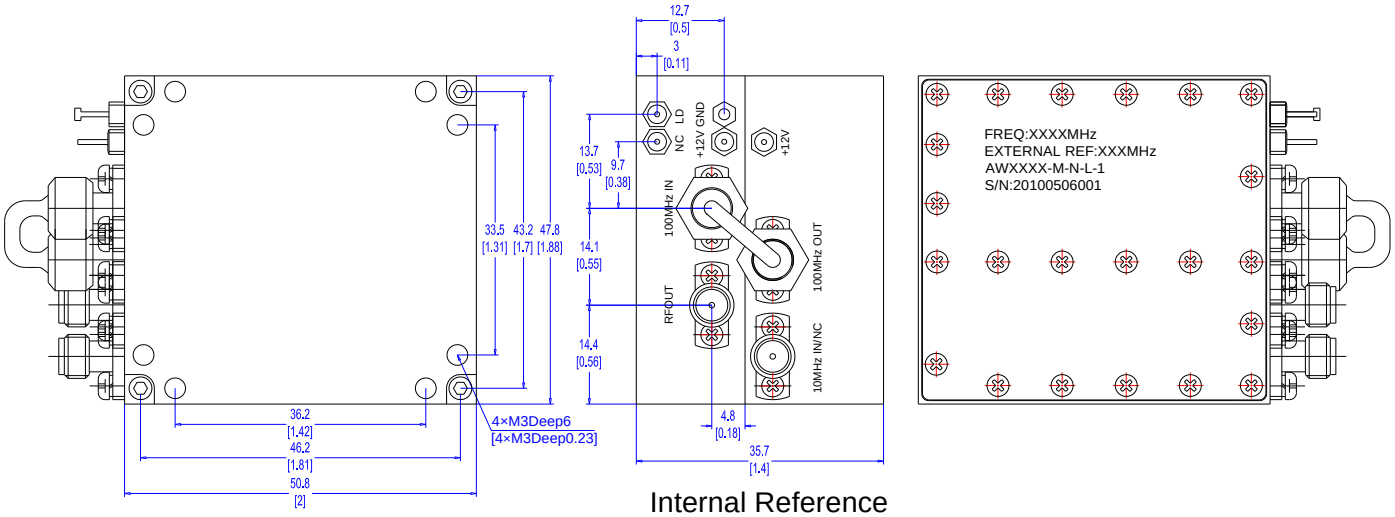


7.8GHz Phase Noise Plot

Outline Drawing:



External Reference



Internal Reference

Notes:

1. **All SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME**
2. **DIMENSIONS ARE IN MM.**