

Features.

- ◆ PLO at 100 MHz.
- ◆ 10 MHz external reference.
- ◆ TTL unlock alarm.
- ◆ Internal voltage regulator.
- ◆ Switch on/off control.



Description.

High stability oscillator at 100MHz with low phase noise, internal reference and 10 MHz external reference, input power monitor, DC control and unlocked alarm.

Specifications of model PLO100M-1-3-4 (@ 25°C)

Specifications

Operating frequency	100	MHz
Stability frequency	same external reference	
Precision frequency	same external reference	
Estabili freq (ref inter)	< 3ppm 1 year, 1ppm rest	
Output power	+13	dbm
Variations pow/temp	2	db
Load VSWR	2/1	
Spurious	-85	dbc
Harmonics	-25	dbc
Un lock	TTL	

Phase noise (2)

100Hz	-115	dbc/Hz
1KHz	-133	dbc/Hz
10KHz	-140	dbc/Hz
100KHz	-142	dbc/Hz
1MHz	-145	dbc/Hz

External reference

Frequency	10	MHz
Power	+5 +/-2	dbm

Power supply

Voltage	+15 +/-2	VDC
Current	40	mA

Connector

RF connector	SMA(f)
Rest	Feed thru

Environmental and size

Operating temp	-40/85 (1)	°C
Storage temp	-55/+90	°C
Size	75x43x15,5	mm

Options

- 1: Output Sine
- 2: Output HCMOS
- 3: Input power monitor
- 4: Power supply on/off control
- 5: Un locked

(1): Body box.

(2): Phase noise external reference

10 Hz	-120	dbc/Hz
100	-135	dbc/Hz
1KHz	-145	dbc/Hz
10KHz	-150	dbc/Hz

