

PDRO100

Features

- High frequency up to 32GHz
- Low phase-noise
- Any output frequency
- Low power consumption and low spur

Model	PDRO100
Frequency Range (GHz)	1~32
Minimum frequency resolution (Hz)	1
Power(dBm)	≥7
Ref input frequency/ phase-noise	100MHz/-157dBc/Hz@1kHz
Ref input power (dBm)	+5~+10
System phase-noise floor	-140dBc/Hz@100Hz
	-158dBc/Hz@1kHz
	-165dBc/Hz@10kHz
	-165dBc/Hz@100kHz
Phase-noise	As the sheet
Spur (dBc)	≥70
Harmonic (dBc)	≥20
Power consumption (V/mA)	+12/550
Lock detect output	TTL high as locked
Operate temperature (°C)	-40~+85
Storage temperature (°C)	-55~+95
Size (mm)	100×100×20

Phase Noise

Frequency(GHz)	1	2	4	6	8	10	12	14	16
dBc/Hz@100Hz	103	97	-91	-87	-87	-83	-83	-81	-78
dBc/Hz@1kHz	-128	-121	-115	-111	-110	-108	-105	-103	-97
dBc/Hz@10kHz	-130	-126	-121	-115	-115	-115	-113	-113	-105
dBc/Hz@100kHz	-130	-126	-121	-115	-115	-115	-113	-113	-108
dBc/Hz@1MHz	-135	-132	-130	-130	-130	-130	-130	-130	-130
Frequency(GHz)	17	18	20	22	24	26	28	30	32
dBc/Hz@100Hz	-78	-78	-76	-76	-76	-75	-74	-73	-73
dBc/Hz@1kHz	-103	-103	-99	-99	-99	-97	-96	-92	-92
dBc/Hz@10kHz	-109	-109	-108	-108	-108	-105	-104	-99	-99
dBc/Hz@100kHz	-109	-109	-109	-109	-109	-105	-104	-101	-101
dBc/Hz@1MHz	-130	-130	-130	-130	-130	-130	-130	-130	-130

Ordering Information

PDRO100-XXXX-100-E-7 ① ② ③ ④ ⑤	Part Number	Description
①	①	model code
②	②	output frequency in MHZ unit minimum frequency is 1kHz
③	③	ref input frequency ref frequency selection : 80MHz/100MHz/120MHz
④	④	external or internal ref selection
⑤	⑤	PDRO output power level

