

PDRO40

Features

- High frequency up to 16GHz
- Low phase-noise
- Low power consumption
- SMT type , easy for use

Model	PDRO40
Frequency Range (GHz)	1~16
Power (dBm)	≥-5
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)	V1:+5/100
	V2:+9/100
Lock detect output	TTL high as locked
Operate temperature (°C)	-40~+85
Storage temperature (°C)	-55~+95
Size (mm)	38×38×9

Phase noise

Frequency(GHz)	1	2	4	6	8	10	12	14	16
dBc/Hz@100Hz	108	102	-96	-92	-92	-88	-88	-86	-83
dBc/Hz@1kHz	-133	-126	-120	-116	-115	-113	-110	-108	-102
dBc/Hz@10kHz	-135	-131	-126	-120	-120	-120	-118	-118	-105
dBc/Hz@100kHz	-135	-131	-126	-120	-120	-120	-120	-118	-110
dBc/Hz@1MHz	-140	-140	-140	-140	-140	-140	-140	-140	-138

Ordering Information

<u>PDRO40-XXXX-100-E--5</u>	Part Number	Description
① ② ③ ④ ⑤	①	PDRO40 model code PDRO
	②	output frequency in MHZ unit
		Output frequency must be integer multiple of Ref
	③	input ref frequency
		ref frequency selection : 80MHz/100MHz/120MHz
	④	external ref
⑤	PDRO output power level	