

PDRO



Frequency range (GHz)	1~16	16~32
Output Level (dBm)	≥13 OR ≥17	≥13
Reference frequency/Phase Noise	100MHz/-157dBc/Hz@1kHz	
Reference input power (dBm)	+3~+10	
System phase noise floor @100MHz	-140dBc/Hz@100Hz	
	-158dBc/Hz@1kHz	
	-165dBc/Hz@10kHz	
	-165dBc/Hz@100kHz	
Phase Noise	See the table below	
Spurious (dBc)	≥70	
Harmonics (dBc)	≥20	
Power supply (V/mA)	≤+12/240 (Output Level ≥ 13 dBm)	
Lock Detector	TTL High in locked	
Operating temperature (°C)	-40~+85	
Storage temperature (°C)	-55~+95	

Phase Noise

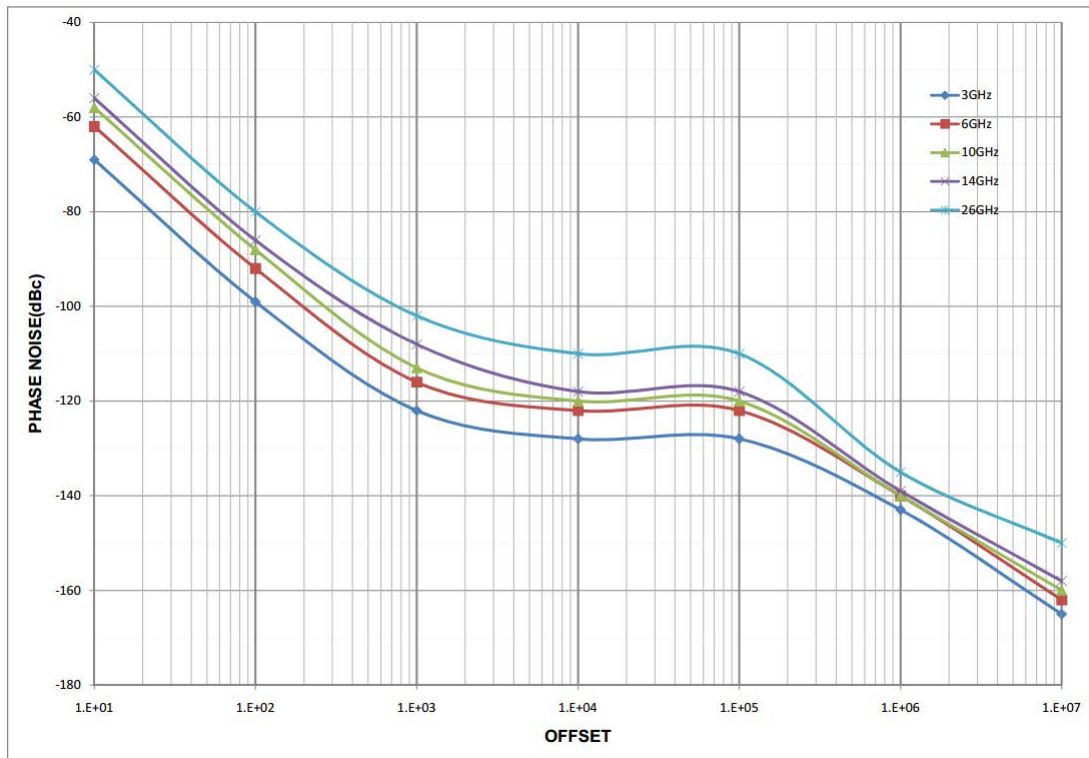
dBc/Hz@ \ GHz	1	1.5	2	2.5	3	3.5	4	4.5	5
dBc/Hz@100Hz	108	105	102	100	-99	-98	-96	-95	-95
dBc/Hz@1kHz	-133	-129	-126	-125	-122	-121	-120	-120	-118
dBc/Hz@10kHz	-135	-133	-131	-131	-128	-126	-126	-125	-125
dBc/Hz@100kHz	-135	-133	-131	-131	-128	-126	-126	-125	-125
dBc/Hz@1MHz	-140	-140	-140	-140	-140	-140	-140	-140	-140
dBc/Hz@ \ GHz	5.5	6	6.5	7	7.5	8	8.5	9	9.5
dBc/Hz@100Hz	-93	-92	-92	-92	-92	-92	-90	-90	-88
dBc/Hz@1kHz	-116	-116	-116	-115	-115	-115	-115	-113	-113
dBc/Hz@10kHz	-120	-120	-120	-118	-118	-120	-120	-120	-120
dBc/Hz@100kHz	-120	-120	-120	-120	-118	-120	-120	-120	-120
dBc/Hz@1MHz	-140	-140	-140	-140	-140	-140	-140	-140	-140
dBc/Hz@ \ GHz	10	10.5	11	11.5	12	12.5	13	13.5	14
dBc/Hz@100Hz	-88	-88	-88	-88	-88	-86	-86	-86	-86
dBc/Hz@1kHz	-113	-112	-112	-110	-110	-110	-108	-108	-108
dBc/Hz@10kHz	-120	-120	-120	-120	-118	-118	-118	-118	-118
dBc/Hz@100kHz	-120	-120	-120	-120	-120	-120	-118	-118	-118
dBc/Hz@1MHz	-140	-140	-140	-140	-140	-140	-140	-140	-140
dBc/Hz@ \ GHz	14.5	15	15.5	16	16.5	17	17.5	18	18.5
dBc/Hz@100Hz	-83	-83	-83	-83	-83	-83	-83	-83	-83
dBc/Hz@1kHz	-102	-102	-102	-102	-108	-108	-108	-108	-108
dBc/Hz@10kHz	-105	-105	-105	-105	-114	-114	-114	-114	-113
dBc/Hz@100kHz	-110	-110	-110	-110	-114	-114	-114	-114	-113
dBc/Hz@1MHz	-140	-140	-140	-140	-138	-138	-138	-138	-136

dBc/Hz@ \ GHz	19	20	21	22	23	24	25	26	27
dBc/Hz@100Hz	-83	-83	-80	-80	-80	-80	-80	-80	-80
dBc/Hz@1kHz	-108	-108	-106	-104	-104	-104	-104	-102	-102
dBc/Hz@10kHz	-113	-113	-112	-112	-112	-112	-110	-110	-110
dBc/Hz@100kHz	-113	-113	-112	-112	-112	-112	-110	-110	-110
dBc/Hz@1MHz	-136	-136	-136	-136	-135	-135	-135	-135	-135

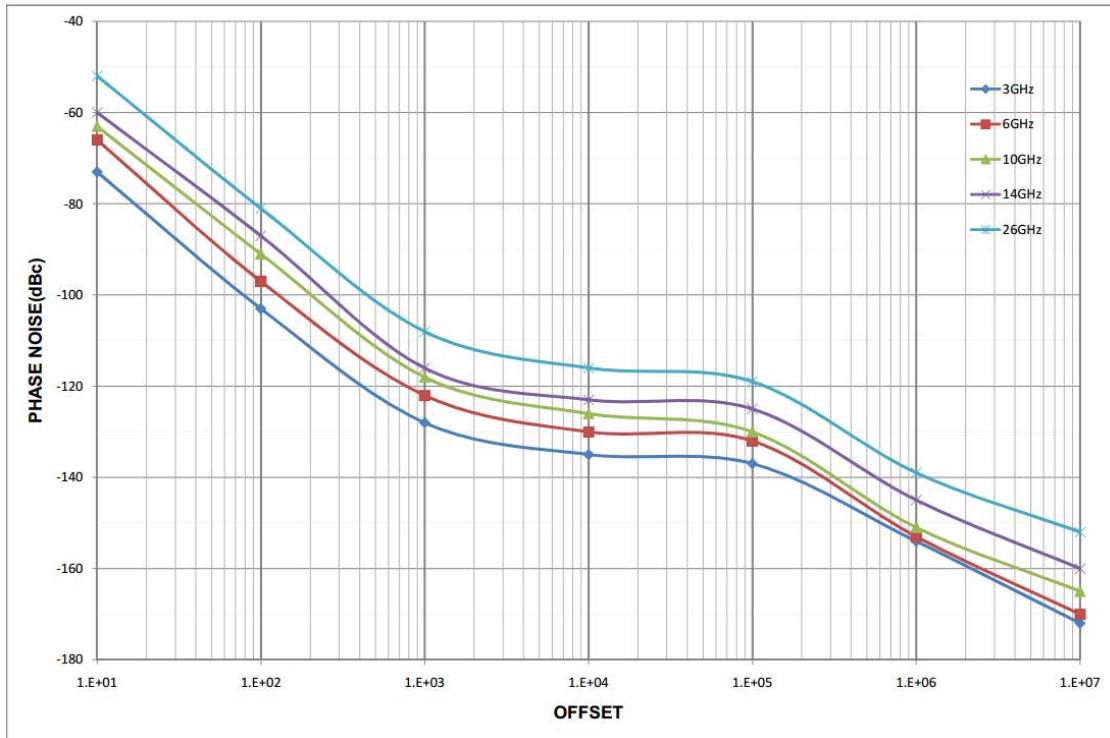
dBc/Hz@ \ GHz	28	29	30	31	32				
dBc/Hz@100Hz	-78	-78	-78	-78	-78				
dBc/Hz@1kHz	-102	-102	-96	-96	-96				
dBc/Hz@10kHz	-110	-105	-99	-99	-99				
dBc/Hz@100kHz	-110	-110	-104	-104	-104				
dBc/Hz@1MHz	-133	-133	-132	-132	-132				

Using the low phase noise mode, the phase noise can be improved by **3~5dB**

NORMAL PHASE NOISE MODE



LOW PHASE NOISE MODE



LOW PHASE NOISE MODE @9.4GHz

