

Frequency Synthesizer

KSN-EDR11213

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						VCO CURRENT (mA)			PLL CURRENT (mA)		
				F2			F3								
	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	-40°C	+25°C	+85°C				-40°C	+25°C	+85°C
2600	5.28	4.81	3.95	-42.52	-48.15	-36.82	-30.96	-32.15	-32.08	45.79	48.09	49.33	9.57	11.00	12.41

FREQ. (MHz)	PHASE NOISE (dBc/Hz)														
	@ OFFSETS														
	-40°C					+25°C					+85°C				
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz
2600	-85.30	-92.21	-108.87	-132.98	-153.30	-84.47	-89.86	-109.04	-131.94	-152.01	-84.53	-90.87	-108.25	-130.72	-150.41

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE & COMPARISON SPURIOUS @Fcarrier 2600MHz± (n*Fcomparison) (dBc) NOTE 1		
	-40°C	+25°C	+85°C
n			
-5	-105.01	-102.36	-98.25
-4	-107.16	-102.42	-98.12
-3	-106.75	-98.09	-97.8
-2	-103.76	-96.91	-96.03
-1	-103.06	-91.8	-91.58
0 note 2	-	-	-
+1	-101.03	-91.75	-94.57
+2	-107.87	-98.36	-100.2
+3	-108.79	-99.83	-105.04
+4	-109.99	-102.78	-102.84
+5	-107.88	-106.22	-103.94

Note 1: Comparison frequency & Reference frequency 10 MHz
Note 2: All spurs are referenced to carrier signal (n=0).

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
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