

Frequency Synthesizer

KSN-EDR11011SA

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						VCO CURRENT (mA)			PLL CURRENT (mA)		
				F2			F3								
	-5°C	+25°C	+75°C	-5°C	+25°C	+75°C	-5°C	+25°C	+75°C	-5°C	+25°C	+75°C	-5°C	+25°C	+75°C
100	5.11	5.09	4.78	-21.27	-23.51	-43.53	-25.83	-26.64	-29.44	35.47	35.79	36.70	3.69	3.91	4.30

FREQ. (MHz)	PHASE NOISE (dBc/Hz)														
	@ OFFSETS														
	-5°C					+25°C					+75°C				
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz
100	-111.97	-119.47	-121.24	-135.13	-158.30	-115.02	-121.58	-121.96	-136.15	-158.28	-109.80	-121.00	-122.73	-134.31	-158.41

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE & COMPARISON SPURIOUS @Fcarrier 2457.6MHz± (n*Fcomparison) (dBc) NOTE 1		
	-5°C	+25°C	+75°C
n			
-5	-91.75	-102.27	-92.44
-4	-90.85	-94.86	-91.2
-3	-94.09	-85.74	-93.43
-2	-92.97	-85.4	-92.01
-1	-90.28	-84.9	-89.06
0 note 2	-	-	-
+1	-86.56	-81.76	-87.39
+2	-85.36	-80.84	-89.36
+3	-85.85	-80.89	-88.48
+4	-88.49	-82.82	-92.68
+5	-95.12	-86.98	-94.86

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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