

Frequency Synthesizer

KSN-EDR9370/1

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						VCO CURRENT (mA)			PLL CURRENT (mA)		
				F2			F3								
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
258.048	5.02	5.19	5.03	-31.78	-33.36	-35.26	-49.72	-49.47	-49.32	41.15	43.96	45.82	12.52	13.75	16.37

FREQ. (MHz)	PHASE NOISE (dBc/Hz)														
	@ OFFSETS														
	-45°C					+25°C					+85°C				
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz
258.048	-90.24	-99.39	-106.79	-138.48	-160.14	-85.50	-101.71	-107.46	-137.20	-159.05	-90.40	-101.15	-107.85	-137.26	-158.70

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE SPURIOUS @Fcarrier 258.048 MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 258.048 MHz± (n*Fcomparison) (dBc) NOTE 2		
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
n						
-5	-	-	-	-92.68	-92.68	-85.98
-4	-103.88	-98.79	-95.03	-86.71	-86.71	-84.53
-3	-85.25	-88.01	-93.45	-83.30	-83.3	-83.22
-2	-87.85	-87.19	-86.56	-82.35	-82.35	-81.57
-1	-87.97	-92.74	-85.99	-86.63	-86.63	-78.98
0 note 3	-	-	-	-	-	-
+1	-86.24	-93.97	-84.37	-94.04	-94.04	-84.93
+2	-80.75	-88.94	-87.53	-96.45	-96.45	-87.38
+3	-99.90	-107.76	-99.98	-89.01	-89.73	-91.15
+4	-89.67	-87.86	-90.06	-88.28	-88.28	-87.04
+5	-	-	-	-93.64	-93.64	-84.42

Note 1: Reference frequency 61.44 MHz.

Note 2: Comparison frequency 12.288 MHz.

Note 3: 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.
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