Frequency Synthesizer KSN-EDR10140SA1

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
386	4.07	4.10	3.94	-	-31.09	-32.83	-	-44.87	-46.68	33.50	34.45	35.04	9.33	9.43	34.97
387	4.05	4.08	3.92	-	-31.34	-33.04	-	-44.99	-46.79	33.48	34.43	35.05	9.34	9.45	34.98
388	4.04	4.06	3.91	-	-31.58	-33.32	-	-44.98	-46.62	33.46	34.42	35.04	9.35	9.46	34.99

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
386	-97.78	-103.55	-102.43	-122.19	-155.96	-97.40	-104.46	-104.09	-119.41	-155.10	-99.67	-104.17	-103.63	-121.45	-156.01
387	-99.33	-101.10	-102.60	-122.33	-155.91	-97.99	-105.91	-103.61	-119.71	-155.21	-98.92	-105.5	-103.62	-121.62	-156.16
388	-99.16	-103.72	-102.43	-121.90	-155.84	-98.01	-105.69	-103.95	-119.37	-155.24	-97.84	-104.8	-103.57	-121.36	-156.16

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE SPURIOUS @Fcarrier 386MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 386 MHz± (n*Fcomparison) (dBc) NOTE 2		
n	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
-5	-97.14	-102.68	-102.24	-101.71	-98.3	-97.52
-4	-101.19	-100.94	-103.78	-101.13	-98.71	-97.43
-3	-101.36	-103.44	-101.84	-101.72	-94.97	-91.59
-2	-111.25	-106.64	-105.26	-96.94	-95.04	-93.61
-1	-100.36	-104.78	-101.05	-90.56	-91.52	-88.88
0 note 3	-	-	-	-	-	-
+1	-117.28	-113.89	-107.74	-97.90	-99.59	-91.78
+2	-108.06	-108.57	-106.71	-109.36	-101.47	-97.53
+3	-103.85	-105.75	-104.94	-100.31	-96.11	-93.51
+4	-100.89	-103.97	-103.27	-113.81	-105.84	-102.19
+5	-100.03	-100.93	-100.46	-114.64	-106.8	-101.95

Note 1: Reference frequency 10 MHz.
Note 2: Comparison frequency 1 MHz.
Note 3: All spurs are referenced to carrier signal (n=0).

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