

Frequency Synthesizer

KSN-EDR10978SA

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT			HARMONICS						VCO CURRENT			PLL CURRENT		
	(dBm)			(dBc)						(mA)			(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
1625	4.52	3.32	1.94	-28.37	-28.19	-21.75	-25.56	-28.72	-35.57	26.90	28.53	29.35	10.55	11.52	12.92

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
1625	-90.03	-98.04	-107.81	-117.38	-145.42	-89.49	-99.38	-106.75	-117.34	-147.04	-90.78	-97.95	-107.06	-116.85	-146.37

REFERENCE & COMPARISON SPURIOUS ORDER n	REFERENCE & COMPARISON SPURIOUS @Fcarrier 1625MHz± (n*Fcomparison) (dBc) NOTE 1					
	-45°C		+25°C		+85°C	
-5	-88.74	-94.70	-97.72	-88.74	-94.70	-97.72
-4	-89.19	-108.76	-95.84	-89.19	-108.76	-95.84
-3	-96.85	-95.52	-95.23	-96.85	-95.52	-95.23
-2	-103.17	-95.93	-98.82	-103.17	-95.93	-98.82
-1	-86.91	-88.35	-86.65	-86.91	-88.35	-86.65
0 ^{note 2}	-	-	-	-	-	-
+1	-87.31	-86.35	-87.15	-87.31	-86.35	-87.15
+2	-108.94	-100.91	-102.98	-108.94	-100.91	-102.98
+3	-110.75	-110.06	-111.36	-110.75	-110.06	-111.36
+4	-107.90	-116.00	-106.43	-107.90	-116.00	-106.43
+5	-116.64	-113.94	-102.70	-116.64	-113.94	-102.70

Note 1: Comparison frequency & Reference frequency 15.625 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.
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