

Frequency Synthesizer

KSN-EDR10549

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
2304	-0.36	-0.40	-0.30	-30.48	-31.63	-34.57	-35.04	-33.93	-32.35	42.86	43.43	44.30	10.06	10.77	11.88

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
2304	-87.84	-87.79	-113.34	-136.39	-157.23	-87.11	-90.10	-113.15	-135.69	-156.71	-86.07	-86.85	-112.37	-134.40	-154.69

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE & COMPARISON SPURIOUS @Fcarrier 2457.6MHz± (n*Fcomparison) (dBc) NOTE 1			
	-5°C		+25°C	
	n			+75°C
-5		-102.69	-94.89	-102.13
-4		-98.01	-95.4	-102.25
-3		-108.14	-94.79	-97.7
-2		-99.83	-94.75	-99.07
-1		-104.49	-91.09	-93.97
0 note 2		-	-	-
+1		-109.12	-100.19	-102.43
+2		-100.98	-100.6	-104.35
+3		-98.82	-96.68	-100.14
+4		-99.00	-98.39	-99.01
+5		-98.76	-97.38	-96.12

Note 1: Comparison frequency & Reference frequency 10.24 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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