

Frequency Synthesizer

KSN-2457A-1C19+

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						VCO CURRENT (mA)			PLL CURRENT (mA)		
	-5°C	+25°C	+75°C	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						
2457.6	4.50	4.76	4.18	-28.51	-35.78	-48.32	-32.70	-32.10	-31.16	46.61	47.15	48.21	9.95	10.18	11.50

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
2457.6	-83.86	-92.84	-109.28	-134.78	-155.12	-86.44	-91.88	-109.11	-134.30	-153.75	-83.37	-90.44	-108.56	-132.80	-153.24

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE & COMPARISON SPURIOUS @Fcarrier 2457.6MHz± (n*Fcomparison) (dBc) NOTE 1		
	-5°C		+75°C
	n	-5°C	+75°C
-5	-103.83	-102.62	-119.79
-4	-102.82	-101.42	-117.14
-3	-106.95	-102.13	-118.48
-2	-106.97	-100.95	-116.65
-1	-105.63	-105.55	-108.58
0 ^{note 2}	-	-	-
+1	-95.62	-98.87	-105.56
+2	-99.30	-100.27	-108.17
+3	-104.35	-102.31	-107.55
+4	-103.36	-100.76	-109.62
+5	-103.20	-101.83	-109.43

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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