

Frequency Synthesizer

KSN-EDR9014

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						VCO CURRENT (mA)			PLL CURRENT (mA)		
				F2			F3								
	-5 °C	+25°C	+55 °C	-5 °C	+25°C	+55 °C	-5 °C	+25°C	+55 °C	-5 °C	+25°C	+55 °C	-5 °C	+25°C	+55 °C
1462	6.59	6.36	6.14	-36.75	-38.33	-39.46	-60.04	-59.76	-59.25	58.34	60.07	61.23	13.52	15.32	16.47
1487	6.43	6.17	5.93	-34.44	-35.21	-35.78	-64.13	-62.97	-62.31	58.45	60.19	61.35	13.97	15.72	16.87

FREQ. (MHz)	PHASE NOISE (dBc/Hz) @ OFFSETS														
	-5 °C					+25°C					+55 °C				
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz
1462	-85.62	-93.18	-108.80	-133.80	-153.95	-85.11	-93.98	-107.87	-133.33	-153.56	-88.67	-95.23	-107.82	-132.46	-153.22
1487	-88.59	-93.86	-109.54	-135.33	-155.22	-88.27	-94.51	-108.07	-134.21	-154.53	-88.87	-97.58	-108.09	-133.04	-153.63

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-Circuit's applicable established test performance criteria and measurement instructions.
 C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCStore/terms.jsp



Typical Performance Data

COMPARISON SPURIOUS ORDER	COMPARISON & REFERENCE SPURIOUS @Fcarrier 1462 MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON & REFERENCE SPURIOUS @Fcarrier 1487 MHz± (n*Fcomparison) (dBc) NOTE 1			
	n	-5 °C	+25°C	+55 °C	-5 °C	+25°C	+55 °C
-5		-82.33	-92.52	-92.01	-90.82	-92.21	-93.03
-4		-91.54	-92.72	-98.76	-89.46	-92.10	-95.09
-3		-89.00	-87.41	-87.80	-88.15	-86.13	-88.88
-2		-98.17	-96.79	-91.23	-99.67	-93.16	-92.37
-1		-98.69	-93.43	-90.08	-95.03	-89.38	-97.16
0 ^{note 2}		-	-	-	-	-	-
+1		-89.93	-88.87	-93.71	-87.87	-91.61	-92.00
+2		-90.78	-93.88	-95.75	-90.83	-96.21	-95.19
+3		-85.47	-84.55	-85.69	-84.42	-85.62	-84.99
+4		-86.14	-84.99	-86.30	-84.66	-85.60	-87.39
+5		-84.56	-84.75	-84.32	-86.64	-87.46	-86.71

Note 1: Comparison & Reference frequency 25 MHz

Note 2: All spurs are referenced to carrier signal (n=0).

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