

Frequency Synthesizer

ZSN-EDR10932/1

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						VCO CURRENT (mA)			PLL CURRENT (mA)		
				F2			F3								
	-40°C	+25°C	+70°C	-40°C	+25°C	+70°C	-40°C	+25°C	+70°C	-40°C	+25°C	+70°C	-40°C	+25°C	+70°C
1312.5	10.47	10.63	10.40	-66.08	-70.99	-75.73	-95.05	-96.54	-95.43	138.56	143.30	145.73	138.56	143.30	145.73

FREQ. (MHz)	PHASE NOISE (dBc/Hz)													
	@ OFFSETS													
	-40°C					+25°C					+70°C			
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	1MHz
1312.5	-95.35	-104.58	-109.43	-119.58	-146.40	-95.07	-103.01	-109.49	-119.80	-147.38	-95.22	-103.34	-108.84	-119.95

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE SPURIOUS @Fcarrier 1312.5MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 1312.5 MHz± (n*Fcomparison) (dBc) NOTE 2		
n	-40°C	+25°C	+70°C	-40°C	+25°C	+70°C
-5	-102.63	-107.05	-108.59	-69.73	-67.56	-67.11
-4	-101.74	-95.3	-95.99	-78.54	-82.6	-84.68
-3	-91.55	-89.88	-87.11	-80.96	-81.36	-87.68
-2	-79.60	-74.96	-75.19	-83.58	-86.52	-85.6
-1	-69.81	-67.52	-67.14	-92.72	-92.3	-92.75
0 note 3	-	-	-	-	-	-
+1	-75.58	-79.25	-79.36	-84.87	-89.28	-85.95
+2	-82.68	-80.85	-80.79	-74.22	-76.36	-79.71
+3	-103.85	-111.78	-95.92	-76.26	-75.13	-77.39
+4	-107.46	-108.07	-102.59	-91.46	-85.57	-88.25
+5	-115.35	-116.29	-115.05	-75.65	-79.21	-79.42

Note 1: Reference frequency 156.25 MHz.

Note 2: Comparison frequency 31.25 MHz.

Note 3: 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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