

Frequency Synthesizer

ZSN-EDR10802/1

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						CURRENT (mA)		
				F2			F3					
	-10°C	+25°C	+70°C	-10°C	+25°C	+70°C	-10°C	+25°C	+70°C	-10°C	+25°C	+70°C
850	16.59	16.68	16.68	-61.25	-61.62	-62.69	-67.30	-66.72	-66.67	236.98	239.46	241.45

FREQ. (MHz)	PHASE NOISE (dBc/Hz)													
	@ OFFSETS													
	-10°C					+25°C					+70°C			
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	1MHz
850	-100.37	-108.74	-107.98	-124.66	-155.43	-99.79	-106.54	-105.38	-126.54	-155.56	-96.56	-106.56	-104.48	-126.39

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE & COMPARISON SPURIOUS @Fcarrier 850MHz± (n*Fcomparison) (dBc) NOTE 1		
	-10°C	+25°C	+70°C
n			
-5	-94.49	-88.35	-86.17
-4	-92.88	-87.92	-87.24
-3	-93.50	-87.83	-88.48
-2	-90.35	-87.78	-89.73
-1	-89.14	-89.94	-95.16
0 note 2	-	-	-
+1	-84.44	-83.54	-85.9
+2	-83.89	-82.55	-85.64
+3	-85.36	-82.52	-85.34
+4	-83.27	-81.03	-84.01
+5	-84.73	-81.5	-84.46

Note 1: Comparison frequency & Reference frequency 10 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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