

Frequency Synthesizer

ZSN-EDR10978

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						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
1625	11.54	10.96	9.87	-85.71	-73.52	-66.16	-70.52	-76.62	-79.69	127.31	129.64	131.35

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	100kHz	1MHz
1625	-92.06	-98.74	-106.02	-115.96	-145.78	-91.03	-99.03	-105.52	-116.25	-146.14	-95.51	-100.30	-105.75	-116.32	-146.08

REFERENCE & COMPARISON SPURIOUS ORDER	REFERENCE SPURIOUS @Fcarrier 1625MHz± (n*Fcomparison) (dBc) NOTE 1			COMPARISON SPURIOUS @Fcarrier 1625 MHz± (n*Fcomparison) (dBc) NOTE 2		
	-40°C	+25°C	+70°C	-40°C	+25°C	+70°C
n						
-5	-96.58	-97.09	-105.84	-96.97	-97.54	-103.06
-4	-93.51	-90.69	-89.03	-110.43	-103.22	-101.21
-3	-98.60	-94.93	-92.5	-124.79	-108.79	-105.21
-2	-95.88	-93.98	-90.92	-102.14	-101.15	-111.24
-1	-89.68	-89.61	-86.5	-90.08	-89.73	-90.83
0 note 3	-	-	-	-	-	-
+1	-88.17	-89.61	-87.68	-90.45	-90.87	-90.33
+2	-93.50	-94.86	-93.38	-117.48	-112.77	-109.69
+3	-94.72	-95.26	-95.82	-108.77	-123.03	-108.82
+4	-92.01	-92.34	-93.93	-128.07	-123.65	-136.07
+5	-98.29	-96.84	-96.64	-132.24	-123.8	-127.37

Note 1: Reference frequency 156.25 MHz.

Note 2: Comparison frequency 15.625 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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