

Frequency Synthesizer

TSN-EDR11165

Typical Performance Data

FREQ. (MHz)	POWER OUTPUT (dBm)			HARMONICS (dBc)						VCO CURRENT (mA)			PLL CURRENT (mA)		
				F2			F3								
	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
374	6.97	7.17	6.69	-22.97	-28.07	-38.58	-47.05	-46.00	-47.38	41.25	42.45	42.78	11.13	10.34	11.75

FREQ. (MHz)	PHASE NOISE (dBc/Hz)														
	@ OFFSETS														
	-45°C					+25°C					+85°C				
	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz	100Hz	1kHz	10kHz	100kHz	1MHz
374	-100.44	-104.26	-118.44	-144.03	-163.65	-101.99	-105.45	-117.09	-141.08	-160.76	-101.50	-104.64	-114.15	-137.85	-157.61

REFERENCE & COMPARISON SPURIOUS ORDER	COMPARISON SPURIOUS @Fcarrier 374MHz± (n*Fcomparison) (dBc) NOTE 1			REFERENCE SPURIOUS @Fcarrier 374 MHz± (n*Fcomparison) (dBc) NOTE 2		
n	-45°C	+25°C	+85°C	-45°C	+25°C	+85°C
-5	-112.39	-104.52	-110.91	-100.92	-105.69	-105.04
-4	-116.83	-101.41	-104.01	-100.63	-107.32	-107.35
-3	-102.82	-94.42	-94.76	-103.75	-111.97	-114.57
-2	-101.17	-92.55	-91.1	-112.31	-105.9	-116.73
-1	-100.66	-88.65	-89.04	-112.55	-104.61	-110.62
0 note 3	-	-	-	-	-	-
+1	-95.02	-88.08	-88.02	-112.06	-105.43	-105.77
+2	-99.49	-91.87	-90.11	-105.54	-103.34	-109.98
+3	-102.21	-93.88	-93.63	-99.92	-102.6	-106.31
+4	-114.28	-100.36	-101.11	-99.05	-100.88	-107.17
+5	-112.31	-105.77	-105.43	-100.31	-101.63	-105.61

Note 1: Reference frequency 10 MHz.

Note 2: Comparison frequency 2 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.
 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/MCUStore/terms.jsp

