

Voltage Controlled Oscillator

ROS-ED12177/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (kHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.00	10.86	46.73	45.31	45.20	-2.90	-3.53	-3.27	-22.72	-38.75	-50.75	0.11	1	-90
1.00	6.65	54.84	53.72	53.79	-1.92	-2.15	-1.31	-17.82	-33.10	-44.67	0.12	10	-110
2.00	5.60	60.90	59.83	59.96	-1.23	-1.53	-0.32	-17.73	-32.57	-43.31	0.12	100	-120
3.00	5.33	66.37	65.28	65.43	-0.83	-0.93	0.27	-18.17	-32.46	-42.73	0.13	1000	-140
4.00	5.44	71.76	70.64	70.78	-0.59	-0.34	0.78	-18.20	-31.17	-40.79	0.15		
5.00	5.76	77.39	76.21	76.33	-0.51	-0.51	1.03	-17.52	-30.24	-41.71	0.16		
6.00	6.07	83.36	82.11	82.22	-0.50	-0.39	1.18	-16.16	-31.59	-41.62	0.18		
7.00	6.18	89.55	88.25	88.35	-0.53	-0.30	1.23	-15.38	-31.48	-39.96	0.21		
8.00	6.06	95.72	94.39	94.52	-0.58	-0.33	1.25	-15.73	-29.32	-41.39	0.23		
9.00	5.83	101.66	100.36	100.51	-0.69	-0.48	1.11	-16.12	-28.65	-40.24	0.27		
10.00	5.65	107.37	106.11	106.31	-0.80	-0.67	0.93	-16.07	-29.70	-40.17	0.33		
11.00	5.48	112.88	111.69	111.94	-1.02	-0.74	0.65	-15.50	-29.84	-41.48	0.39		
12.00	5.40	118.24	117.14	117.44	-1.28	-0.98	0.37	-14.82	-28.77	-40.54	0.44		
13.00	5.36	123.53	122.53	122.88	-1.58	-1.01	0.00	-14.97	-29.03	-40.74	0.51		
14.00	5.30	128.75	127.88	128.30	-2.01	-1.17	-0.49	-15.81	-30.05	-41.99	0.57		
15.00	5.28	133.90	133.18	133.68	-2.42	-1.41	-0.87	-16.50	-29.92	-41.09	0.65		
16.00	5.20	138.97	138.43	139.05	-2.91	-1.64	-1.39	-16.56	-28.62	-41.58	0.68		
17.00	4.99	143.91	143.58	144.32	-3.45	-1.93	-1.96	-15.86	-28.81	-42.83	0.80		
18.00	4.70	148.60	148.49	149.39	-4.01	-2.15	-2.57	-14.91	-29.99	-42.18	0.88		
19.00	4.27	152.90	153.04	154.10	-4.57	-2.35	-3.20	-14.52	-30.42	-42.11	0.95		
20.00	3.92	156.72	157.13	158.35	-5.09	-2.15	-3.82	-14.97	-30.10	-44.01	1.03		



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



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RF/IF MICROWAVE COMPONENTS

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