

Voltage Controlled Oscillator

ROS-ED12977A/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	70.11	1492.0	1471.00	1452.00	10.35	9.92	9.49	-5.24	-44.56	-23.05	-6.40	1	-64
1.00	63.63	1555.0	1535.00	1519.00	10.49	10.09	9.67	-6.21	-30.51	-22.60	-8.19	10	-89
2.00	68.10	1620.0	1601.00	1586.00	10.52	10.17	9.79	-7.55	-26.12	-23.11	-9.11	100	-109
3.00	80.37	1697.0	1675.00	1660.00	10.47	10.13	9.79	-9.47	-24.27	-24.01	-9.54	1000	-129
4.00	97.40	1788.0	1764.00	1747.00	10.41	10.08	9.70	-11.67	-22.54	-25.64	-8.66		
5.00	124.09	1901.0	1876.00	1856.00	10.21	9.97	9.65	-14.16	-21.65	-28.43	-5.66		
6.00	137.49	2032.0	2007.00	1988.00	10.08	9.88	9.55	-17.12	-22.20	-31.03	-2.15		
7.00	128.42	2167.0	2143.00	2129.00	10.06	9.84	9.44	-20.09	-23.38	-31.95	-0.22		
8.00	123.03	2279.0	2262.00	2267.00	10.08	9.76	8.62	-21.49	-26.83	-34.83	-0.71		
9.00	147.76	2435.0	2420.00	2414.00	8.42	8.02	7.24	-29.97	-32.49	-39.88	-1.14		
10.00	128.40	2577.0	2557.00	2544.00	7.78	7.35	6.77	-29.18	-32.13	-46.74	1.64		
11.00	117.24	2702.0	2680.00	2664.00	7.13	6.82	6.30	-25.56	-32.49	-46.83	2.69		
12.00	100.44	2813.0	2791.00	2773.00	7.00	6.61	6.08	-22.55	-32.19	-44.15	3.34		
13.00	89.10	2907.0	2884.00	2866.00	7.43	6.96	6.39	-21.26	-34.01	-45.76	3.97		
14.00	77.88	2991.0	2967.00	2948.00	7.52	7.13	6.75	-20.86	-34.75	-48.30	4.83		
15.00	67.83	3063.0	3039.00	3018.00	7.47	7.19	6.66	-20.40	-34.40	-57.61	5.76		
16.00	55.38	3123.0	3099.00	3078.00	7.41	7.26	6.89	-20.16	-35.32	-57.44	6.60		
17.00	45.65	3174.00	3148.00	3126.00	7.61	7.32	7.06	-19.75	-34.44	-56.60	7.44		
18.00	37.26	3215.00	3190.00	3167.00	7.50	7.37	6.98	-20.05	-34.50	-56.60	7.94		
19.00	32.74	3250.00	3225.00	3201.00	7.53	7.40	7.16	-20.07	-34.28	-56.93	8.80		
20.00	27.35	3280.00	3254.00	3231.00	7.49	7.43	7.20	-20.09	-33.64	-56.81	8.81		
21.00	25.89	3308.00	3281.00	3257.00	7.53	7.44	7.26	-20.05	-33.71	-56.10	9.84		
22.00	23.85	3331.00	3306.00	3280.00	7.53	7.46	7.24	-20.04	-33.01	-57.86	10.24		



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RF/IF MICROWAVE COMPONENTS



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