

Voltage Controlled Oscillator

ROS-EDR5803

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			
1.0	133.74	1075.3	1058.0	1045.0	9.89	9.44	7.21	-12.8	-32.6	-31.2	-0.80	1	-71
2.0	95.82	1168.1	1153.8	1143.5	9.92	9.50	7.52	-12.1	-24.6	-25.4	-1.04	10	-97
3.0	81.17	1247.5	1235.0	1225.9	9.95	9.57	7.83	-12.4	-20.9	-23.7	-1.23	100	-118
4.0	72.57	1319.2	1307.5	1299.6	9.72	9.45	7.75	-12.8	-19.3	-23.8	-1.43	1000	-140
5.0	68.45	1385.7	1376.0	1370.4	9.47	9.18	7.43	-13.6	-20.0	-24.0	-1.16		
6.0	75.62	1458.4	1451.6	1445.6	8.35	7.90	6.35	-14.6	-25.9	-23.5	-0.24		
7.0	81.60	1545.6	1533.2	1521.9	6.61	7.03	6.12	-20.4	-18.2	-27.6	0.12		
8.0	76.25	1624.5	1609.5	1595.6	6.72	7.16	6.25	-25.9	-16.7	-32.1	0.18		
9.0	73.25	1699.5	1682.7	1668.1	6.91	7.27	6.28	-26.3	-17.2	-35.7	0.01		
10.0	72.19	1772.2	1754.9	1739.1	7.00	7.38	6.39	-25.5	-18.0	-38.6	-0.25		
11.0	69.10	1841.6	1824.0	1807.9	7.00	7.41	6.42	-24.0	-18.4	-40.3	-0.52		
12.0	63.65	1906.1	1887.6	1871.6	6.93	7.36	6.36	-22.8	-17.5	-41.9	-0.67		
13.0	56.92	1963.9	1944.6	1928.0	7.09	7.49	6.43	-22.5	-17.2	-48.0	-0.68		
14.0	50.24	2014.8	1994.8	1977.2	7.13	7.63	6.61	-22.2	-17.8	-47.1	-0.59		
15.0	43.48	2058.1	2038.3	2019.5	7.19	7.65	6.64	-22.0	-17.7	-43.7	-0.50		
16.0	37.24	2097.0	2075.5	2055.6	7.27	7.72	6.73	-22.6	-18.0	-40.8	-0.39		
17.0	32.51	2131.2	2108.0	2088.1	7.31	7.89	6.87	-22.6	-18.5	-39.0	-0.28		
18.0	29.92	2159.9	2138.0	2115.5	7.29	7.86	6.96	-22.5	-18.8	-39.0	-0.25		
19.0	24.71	2187.7	2162.7	2142.1	7.38	7.90	6.95	-23.0	-19.2	-37.6	-0.19		
20.0	24.64	2211.5	2187.3	2163.0	7.43	7.94	7.03	-23.2	-19.6	-36.9	-0.20		
21.0	20.48	2231.3	2207.8	2183.3	7.50	7.98	7.02	-23.4	-20.0	-37.2	-0.18		
22.0	16.66	2251.2	2224.5	2201.5	7.67	8.08	7.10	-23.6	-20.3	-37.6	-0.17		
23.0	17.11	2266.9	2241.6	2216.8	7.78	8.15	7.15	-23.9	-20.7	-38.3	-0.17		
24.0	14.39	2280.6	2255.9	2229.6	7.85	8.26	7.18	-24.0	-21.0	-38.8	-0.14		
25.0	12.26	2296.4	2268.2	2243.2	7.99	8.35	7.22	-24.0	-21.5	-39.4	-0.12		
26.0	10.62	2308.3	2278.8	2254.3	8.04	8.41	7.30	-24.1	-21.9	-39.9	-0.08		

