

Voltage Controlled Oscillator

ROS-EDR5498

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	80.67	1474.9	1447.0	1417.1	8.43	7.93	7.23	-18.4	-21.6	-33.6	-1.93	1	-61
2.0	74.06	1549.9	1521.1	1491.4	8.39	7.91	7.27	-19.2	-20.9	-50.4	-2.32	10	-90
3.0	78.13	1629.2	1599.2	1570.2	8.25	7.85	7.29	-19.6	-20.3	-38.6	-2.46	100	-111
4.0	86.73	1718.2	1685.9	1656.7	8.16	7.82	7.22	-20.9	-19.8	-34.0	-2.91	1000	-135
5.0	91.44	1812.1	1777.4	1747.8	8.24	7.81	7.14	-23.6	-19.8	-31.1	-3.76		
6.0	88.91	1901.1	1866.3	1837.2	8.31	7.77	7.07	-26.1	-20.9	-30.4	-4.67		
7.0	82.58	1982.6	1948.9	1921.3	8.37	7.71	6.95	-29.5	-24.5	-29.6	-5.35		
8.0	80.39	2063.3	2029.3	2002.7	8.42	7.63	6.76	-29.3	-28.4	-29.3	-5.90		
9.0	79.62	2141.7	2108.9	2082.4	8.39	7.51	6.60	-29.2	-22.6	-32.0	-5.66		
10.0	75.12	2215.9	2184.0	2158.2	8.29	7.39	6.46	-27.4	-19.9	-33.5	-5.25		
11.0	71.10	2286.0	2255.1	2229.9	8.16	7.24	6.36	-26.7	-19.7	-34.8	-5.07		
12.0	67.69	2352.7	2322.8	2298.7	8.01	7.16	6.24	-25.4	-19.2	-38.0	-4.91		
13.0	65.01	2415.8	2387.8	2363.5	7.88	7.02	6.11	-24.3	-18.9	-40.7	-4.86		
14.0	60.25	2475.7	2448.0	2423.9	7.69	6.85	6.03	-24.0	-19.4	-42.5	-4.81		
15.0	56.62	2531.3	2504.7	2481.1	7.67	6.77	5.88	-24.0	-20.2	-43.4	-4.56		
16.0	52.54	2584.5	2557.2	2532.6	7.61	6.64	5.82	-24.0	-19.8	-47.3	-4.71		
17.0	47.82	2632.3	2605.0	2581.0	7.57	6.63	5.72	-23.4	-19.9	-50.0	-4.51		
18.0	44.61	2677.1	2649.6	2624.7	7.45	6.57	5.69	-22.6	-19.3	-45.2	-4.43		
19.0	40.78	2717.4	2690.4	2665.6	7.35	6.55	5.64	-23.1	-19.0	-46.1	-4.25		
20.0	36.97	2754.1	2727.4	2702.8	7.24	6.46	5.62	-22.8	-19.7	-44.4	-4.24		
21.0	34.03	2788.3	2761.4	2736.8	7.17	6.39	5.57	-23.2	-19.9	-45.8	-4.18		
22.0	31.29	2818.6	2792.7	2768.3	7.15	6.35	5.49	-23.1	-20.8	-46.7	-3.96		
23.0	27.76	2846.2	2820.5	2797.0	7.10	6.30	5.44	-24.9	-22.1	-48.5	-3.84		
24.0	25.26	2871.7	2845.7	2822.3	7.03	6.26	5.39	-25.0	-24.4	-51.7	-3.79		