

Voltage Controlled Oscillator

ROS-EDR4782/1

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			
0.5	112.12	1177.8	1153.2	1136.1	6.17	6.29	5.75	-15.0	-36.4	-42.9	0.37	1	-68
1.0	93.88	1224.7	1200.1	1182.5	6.35	6.56	6.08	-14.8	-33.7	-42.9	0.71	10	-94
1.5	87.50	1269.3	1243.8	1225.8	6.45	6.66	6.27	-15.1	-32.4	-43.0	1.07	100	-113
2.0	85.16	1312.6	1286.4	1268.7	6.55	6.83	6.48	-14.5	-30.2	-43.3	1.41	1000	-136
2.5	84.50	1353.6	1328.7	1309.9	6.61	6.96	6.63	-15.3	-29.7	-44.5	1.99		
3.0	83.54	1396.0	1370.4	1351.3	6.59	6.99	6.68	-15.9	-30.8	-46.8	2.18		
3.5	85.15	1440.0	1413.0	1394.2	6.42	6.93	6.74	-17.1	-31.4	-45.8	2.35		
4.0	87.41	1486.4	1456.7	1436.8	6.39	6.86	6.66	-19.3	-32.5	-45.6	2.56		
4.5	86.21	1530.0	1499.8	1480.3	6.47	6.84	6.58	-21.2	-33.2	-45.4	2.42		
5.0	87.38	1574.9	1543.5	1522.4	6.54	6.92	6.67	-23.0	-34.4	-45.2	2.30		
5.5	84.17	1618.8	1585.6	1564.1	6.67	7.09	6.70	-26.3	-34.7	-45.9	2.08		
6.0	83.19	1662.9	1627.2	1604.1	6.61	7.03	6.73	-29.8	-36.0	-45.7	1.91		
6.5	79.26	1702.0	1666.8	1643.7	6.63	6.91	6.65	-32.6	-36.3	-45.7	1.63		
7.0	72.78	1738.1	1703.2	1680.5	6.57	6.94	6.55	-35.5	-37.3	-44.0	1.01		
7.5	68.02	1771.8	1737.2	1714.0	6.52	6.91	6.55	-37.5	-38.7	-41.3	0.43		
8.0	64.43	1805.2	1769.4	1747.4	6.40	6.82	6.46	-37.2	-38.5	-39.7	-0.03		
8.5	65.85	1840.0	1802.4	1779.8	6.39	6.69	6.36	-37.0	-38.7	-40.1	-0.11		
9.0	67.32	1873.5	1836.0	1811.7	6.41	6.59	6.25	-36.2	-38.4	-39.1	0.33		
9.5	60.26	1903.9	1866.2	1842.0	6.37	6.49	6.15	-36.1	-37.9	-39.7	0.80		
10.0	59.38	1933.9	1895.9	1871.2	6.33	6.46	6.04	-34.7	-37.8	-38.7	1.09		
10.5	52.86	1960.2	1922.3	1897.6	6.19	6.38	5.95	-33.5	-38.1	-40.9	1.39		
11.0	53.44	1985.2	1949.0	1924.4	6.11	6.27	5.89	-31.6	-37.3	-40.1	1.49		
11.5	48.39	2009.8	1973.2	1949.5	5.98	6.19	5.82	-31.1	-38.0	-41.1	1.76		
12.0	50.60	2034.8	1998.5	1974.1	5.85	6.02	5.71	-30.6	-38.1	-43.3	1.91		