

Voltage Controlled Oscillator

ROS-EDR10979

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	F0.5	F1.5	F2			
0.0	46.32	5597.9	5588.9	5579.4	0.80	-0.64	-2.01	-30.8	-47.2	-53.0	0.55	1	-77
0.3	39.51	5608.7	5600.5	5591.6	0.93	-0.38	-1.71	-31.2	-46.6	-52.7	0.18	10	-106
0.5	35.32	5618.2	5610.4	5601.8	1.00	-0.23	-1.49	-32.2	-46.5	-52.0	0.02	100	-127
0.8	32.46	5626.7	5619.2	5610.9	1.03	-0.12	-1.35	-29.9	-46.9	-51.9	0.09	1000	-146
1.0	30.41	5634.6	5627.3	5619.2	1.03	-0.06	-1.23	-29.8	-47.2	-51.5	0.15		
1.3	28.89	5642.0	5634.9	5626.9	1.04	-0.05	-1.17	-31.2	-47.1	-51.0	0.20		
1.5	27.72	5649.2	5642.1	5634.2	1.05	-0.05	-1.16	-31.1	-46.5	-50.3	0.24		
1.8	26.80	5656.1	5649.1	5641.1	1.07	-0.06	-1.16	-29.5	-46.3	-49.6	0.27		
2.0	26.00	5662.7	5655.8	5647.8	1.11	-0.07	-1.16	-28.9	-46.6	-49.2	0.29		
2.3	25.25	5669.2	5662.3	5654.3	1.15	-0.06	-1.17	-28.6	-46.3	-49.0	0.30		
2.5	24.48	5675.5	5668.6	5660.6	1.19	-0.04	-1.18	-28.9	-46.2	-49.0	0.31		
2.8	23.70	5681.5	5674.7	5666.7	1.25	0.00	-1.17	-29.4	-47.0	-49.3	0.30		
3.0	22.88	5687.4	5680.6	5672.6	1.35	0.04	-1.15	-29.0	-47.2	-49.0	0.29		
3.3	22.03	5693.0	5686.4	5678.4	1.44	0.07	-1.12	-28.8	-46.4	-48.3	0.28		
3.5	21.09	5698.4	5691.9	5683.9	1.48	0.15	-1.08	-29.5	-46.2	-48.1	0.26		
3.8	20.12	5703.5	5697.1	5689.2	1.49	0.25	-1.06	-29.6	-46.9	-48.1	0.24		
4.0	19.20	5708.5	5702.2	5694.4	1.46	0.32	-1.03	-29.2	-47.7	-47.7	0.23		
4.3	18.37	5713.2	5707.0	5699.3	1.43	0.35	-0.97	-28.3	-47.7	-47.2	0.22		
4.5	17.58	5717.8	5711.6	5703.9	1.38	0.36	-0.88	-28.3	-47.7	-47.1	0.22		
4.8	16.86	5722.1	5716.0	5708.3	1.31	0.34	-0.83	-27.3	-47.5	-47.0	0.23		
5.0	16.19	5726.3	5720.2	5712.6	1.23	0.31	-0.82	-27.4	-47.6	-46.7	0.25		
5.3	15.60	5730.4	5724.2	5716.6	1.16	0.26	-0.83	-27.4	-47.5	-46.5	0.28		
5.5	15.06	5734.3	5728.1	5720.5	1.09	0.20	-0.86	-29.0	-47.7	-46.3	0.31		
5.8	14.62	5738.0	5731.9	5724.2	1.04	0.15	-0.91	-29.9	-47.8	-46.1	0.34		
6.0	14.23	5741.7	5735.5	5727.9	0.99	0.09	-0.97	-30.0	-48.1	-46.2	0.37		
6.3	13.92	5745.3	5739.1	5731.4	0.93	0.02	-1.03	-30.1	-48.5	-46.5	0.41		
6.5	13.67	5748.8	5742.6	5734.8	0.87	-0.04	-1.08	-29.3	-48.7	-46.3	0.44		
6.8	13.48	5752.2	5746.0	5738.2	0.83	-0.10	-1.14	-28.2	-49.0	-46.3	0.46		
7.0	13.48	5755.6	5749.4	5741.6	0.78	-0.15	-1.20	-26.5	-49.4	-46.0	0.49		