

Voltage Controlled Oscillator

ROS-EDR6139

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			
0.3	10.29	576.3	576.4	576.6	0.14	0.12	-0.05	-16.1	-53.2	-43.3	0.09	1	-91
0.5	9.49	578.7	578.8	578.8	0.17	0.16	0.02	-16.2	-54.4	-43.0	0.10	10	-112
0.8	9.31	581.1	581.1	581.0	0.17	0.18	0.08	-16.3	-55.8	-42.6	0.11	100	-132
1.0	9.26	583.5	583.4	583.1	0.17	0.19	0.11	-16.4	-57.0	-42.3	0.12	1000	-150
1.3	9.32	585.9	585.7	585.3	0.15	0.17	0.12	-16.4	-56.1	-42.0	0.13		
1.5	9.45	588.4	588.1	587.5	0.12	0.17	0.13	-16.5	-57.6	-57.1	0.14		
1.8	9.66	590.9	590.5	589.8	0.09	0.18	0.13	-16.6	-58.0	-41.5	0.15		
2.0	9.94	593.5	593.0	592.2	0.08	0.17	0.14	-16.7	-58.0	-41.2	0.17		
2.3	10.29	596.2	595.6	594.6	0.05	0.16	0.14	-16.8	-57.6	-41.1	0.18		
2.5	10.69	599.0	598.2	597.1	0.03	0.15	0.15	-16.8	-58.2	-40.1	0.19		
2.8	11.10	601.9	601.0	599.8	-0.02	0.14	0.14	-17.0	-57.3	-40.0	0.20		
3.0	11.59	604.9	603.9	602.5	-0.06	0.11	0.12	-17.1	-57.2	-39.5	0.22		
3.3	12.00	608.0	606.9	605.4	-0.11	0.09	0.10	-17.2	-55.2	-39.3	0.23		
3.5	12.50	611.3	610.0	608.4	-0.15	0.06	0.08	-17.2	-53.5	-38.7	0.25		
3.8	13.16	614.9	613.3	611.5	-0.25	0.03	0.07	-17.3	-55.1	-38.5	0.28		
4.0	14.73	618.6	617.0	614.9	-0.22	-0.01	0.04	-17.3	-53.7	-38.2	0.28		
4.3	13.90	622.1	620.5	618.5	-0.21	0.00	0.03	-17.5	-52.0	-37.6	0.25		
4.5	14.10	625.7	624.0	621.9	-0.23	-0.01	0.03	-17.7	-51.9	-37.3	0.24		
4.8	14.53	629.5	627.6	625.4	-0.23	-0.01	0.02	-17.8	-50.9	-36.5	0.23		
5.0	14.84	633.3	631.4	629.0	-0.25	-0.01	0.03	-17.9	-50.1	-35.7	0.22		
5.3	15.15	637.2	635.1	632.7	-0.22	0.02	0.03	-18.0	-48.7	-35.0	0.20		
5.5	15.29	641.1	639.0	636.4	-0.22	0.03	0.06	-18.2	-48.0	-34.8	0.18		
5.8	15.46	645.0	642.8	640.2	-0.21	0.05	0.08	-18.4	-47.8	-34.4	0.16		
6.0	15.53	649.0	646.7	644.0	-0.23	0.04	0.08	-18.6	-46.7	-34.1	0.15		
6.3	15.53	653.0	650.6	647.8	-0.26	0.04	0.09	-18.7	-45.7	-34.1	0.14		
6.5	16.02	657.2	654.6	651.6	-0.27	0.02	0.07	-18.8	-45.1	-34.0	0.17		
6.8	16.24	661.2	658.7	655.6	-0.25	0.04	0.06	-19.0	-44.6	-33.7	0.14		
7.0	15.56	665.2	662.5	659.6	-0.27	0.04	0.06	-19.2	-43.6	-33.3	0.12		