

Voltage Controlled Oscillator

ROS-EDR6644/1

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			
0.3	13.28	568.8	565.9	563.6	-1.69	-1.00	-0.90	-20.2	-34.0	-43.1	0.10	1	-89
0.5	12.74	572.1	569.2	567.0	-1.59	-0.94	-0.85	-20.3	-33.7	-43.4	0.11	10	-112
0.8	12.50	575.3	572.4	570.2	-1.52	-0.87	-0.79	-20.4	-33.7	-43.9	0.11	100	-132
1.0	12.42	578.4	575.6	573.4	-1.46	-0.81	-0.74	-20.6	-33.5	-43.8	0.10	1000	-150
1.3	12.50	581.5	578.7	576.5	-1.42	-0.76	-0.71	-20.7	-33.3	-43.8	0.09		
1.5	12.62	584.7	581.8	579.6	-1.36	-0.72	-0.68	-20.8	-33.1	-44.0	0.06		
1.8	12.80	587.9	584.9	582.7	-1.30	-0.68	-0.65	-20.9	-32.7	-44.3	0.03		
2.0	12.98	591.1	588.1	585.9	-1.25	-0.65	-0.62	-21.1	-32.5	-44.3	0.00		
2.3	13.22	594.4	591.4	589.1	-1.21	-0.62	-0.61	-21.2	-32.3	-44.2	-0.05		
2.5	13.31	597.7	594.7	592.4	-1.17	-0.60	-0.59	-21.3	-32.0	-44.2	-0.10		
2.8	13.45	601.0	598.0	595.7	-1.13	-0.58	-0.56	-21.5	-32.0	-43.3	-0.15		
3.0	13.51	604.4	601.4	599.0	-1.12	-0.57	-0.54	-21.6	-32.1	-42.9	-0.21		
3.3	13.51	607.8	604.8	602.4	-1.12	-0.58	-0.53	-21.8	-31.9	-42.6	-0.25		
3.5	13.47	611.2	608.1	605.8	-1.14	-0.59	-0.54	-21.9	-31.8	-42.2	-0.29		
3.8	13.34	614.5	611.5	609.1	-1.16	-0.62	-0.55	-22.0	-31.9	-41.8	-0.32		
4.0	13.19	617.9	614.8	612.4	-1.20	-0.64	-0.56	-22.1	-31.7	-41.2	-0.34		
4.3	12.98	621.2	618.1	615.7	-1.23	-0.66	-0.58	-22.3	-31.6	-40.8	-0.36		
4.5	12.76	624.4	621.4	618.9	-1.29	-0.69	-0.59	-22.5	-31.6	-40.2	-0.37		
4.8	12.50	627.6	624.6	622.1	-1.30	-0.74	-0.62	-22.7	-31.7	-39.7	-0.37		
5.0	12.19	630.8	627.7	625.2	-1.36	-0.73	-0.60	-22.9	-31.7	-39.4	-0.37		
5.3	11.95	633.8	630.7	628.2	-1.41	-0.75	-0.60	-23.1	-31.7	-38.8	-0.36		
5.5	11.67	636.8	633.7	631.2	-1.46	-0.78	-0.62	-23.2	-31.7	-38.4	-0.34		
5.8	11.41	639.8	636.6	634.1	-1.52	-0.81	-0.63	-23.3	-31.6	-37.7	-0.33		
6.0	11.15	642.7	639.5	636.9	-1.58	-0.85	-0.66	-23.4	-31.6	-37.3	-0.31		
6.3	10.90	645.5	642.3	639.7	-1.64	-0.90	-0.69	-23.6	-31.5	-37.1	-0.30		
6.5	10.66	648.2	645.0	642.4	-1.71	-0.94	-0.72	-23.7	-31.6	-37.0	-0.27		
6.8	10.48	650.9	647.7	645.0	-1.76	-0.98	-0.75	-23.7	-31.7	-36.9	-0.25		
7.0	10.48	653.6	650.3	647.6	-1.80	-1.02	-0.77	-23.8	-31.6	-36.2	-0.23		