

Voltage Controlled Oscillator

ROS-EDR4855

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			
0.2	19.84	332.3	325.6	320.9	7.94	7.70	7.17	-17.0	-12.6	-15.2	0.06	1	-77
0.4	20.48	336.1	329.7	325.2	7.96	7.75	7.25	-17.4	-12.5	-15.3	0.00	10	-97
0.6	21.12	340.0	333.9	329.8	8.00	7.82	7.34	-17.6	-12.3	-15.3	-0.19	100	-117
0.8	23.04	344.3	338.5	334.7	8.07	7.91	7.46	-17.7	-12.4	-15.3	-0.45	1000	-136
1.0	25.60	349.3	343.6	339.9	8.20	8.06	7.61	-16.9	-12.7	-15.0	-0.77		
1.2	27.52	354.9	349.1	345.3	8.39	8.28	7.82	-15.8	-13.2	-14.8	-0.77		
1.4	25.60	360.3	354.2	350.7	8.64	8.50	8.03	-15.0	-13.7	-14.8	-0.58		
1.6	25.60	365.5	359.4	356.2	8.94	8.77	8.16	-13.7	-14.7	-14.8	-0.58		
1.8	27.52	370.6	364.9	362.4	9.31	8.96	8.18	-13.1	-15.6	-15.1	-0.64		
2.0	32.32	376.0	371.3	369.0	9.60	8.95	8.12	-13.2	-15.7	-15.7	-0.70		
2.2	34.56	382.5	378.2	375.7	9.54	8.82	8.02	-13.6	-15.3	-16.5	-0.58		
2.4	34.24	389.8	385.1	381.8	9.31	8.67	7.94	-14.1	-14.5	-17.4	-0.45		
2.6	33.28	396.7	391.7	388.0	9.13	8.55	7.90	-14.7	-13.6	-17.6	-0.38		
2.8	32.64	403.5	398.3	394.0	8.99	8.47	7.92	-15.1	-12.9	-17.4	-0.32		
3.0	30.72	410.0	404.4	400.1	8.92	8.46	7.98	-15.6	-12.6	-17.2	-0.32		
3.2	28.80	416.3	410.2	406.0	8.86	8.51	8.10	-15.4	-12.6	-16.8	-0.32		
3.4	29.44	422.3	416.1	411.9	8.86	8.62	8.24	-14.9	-12.8	-16.2	-0.26		
3.6	28.16	428.2	421.7	417.3	8.92	8.75	8.35	-14.4	-13.1	-15.9	-0.32		
3.8	27.52	433.9	427.2	422.7	9.04	8.93	8.54	-13.7	-13.7	-15.6	-0.38		
4.0	26.88	439.6	432.6	428.0	9.18	9.14	8.74	-13.1	-14.4	-15.4	-0.45		
4.2	26.24	445.1	437.8	433.2	9.37	9.37	8.96	-12.4	-15.4	-15.4	-0.51		
4.4	25.92	450.7	443.0	438.3	9.60	9.65	9.19	-11.9	-16.9	-15.3	-0.58		
4.6	24.96	456.1	448.0	443.1	9.78	9.94	9.45	-11.4	-18.6	-15.6	-0.51		
4.8	24.32	460.9	452.9	447.9	10.08	10.28	9.72	-10.9	-20.8	-16.4	-0.51		
5.0	25.28	465.9	457.9	454.1	10.48	10.58	9.76	-10.3	-23.5	-17.5	-0.96		