

Voltage Controlled Oscillator

ROS-2700-819+

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			
0.0	158.73	1690.1	1660.5	1641.5	8.18	7.96	7.25	-23.9	-42.5	-39.5	1.62	1	-64
0.5	148.04	1768.9	1739.8	1721.1	8.25	8.25	7.60	-24.7	-37.1	-38.7	1.91	10	-90
1.0	143.39	1843.7	1813.9	1794.4	8.46	8.34	7.80	-25.9	-33.3	-37.4	2.20	100	-112
1.5	141.59	1917.1	1885.6	1864.5	8.60	8.42	8.09	-27.7	-30.6	-36.8	2.54	1000	-132
2.0	151.07	1989.5	1956.4	1935.3	8.55	8.49	8.23	-30.5	-28.6	-39.3	2.40		
2.5	160.90	2071.6	2031.9	2008.5	8.92	8.56	8.12	-34.1	-28.7	-41.8	2.31		
3.0	153.86	2152.2	2112.3	2085.6	9.28	8.75	8.34	-42.2	-28.8	-38.0	2.74		
3.5	148.29	2228.6	2189.3	2162.3	9.36	8.97	8.50	-42.0	-28.4	-36.5	2.77		
4.0	144.46	2301.4	2263.4	2238.3	9.32	9.13	8.63	-37.9	-28.4	-35.2	2.73		
4.5	138.12	2371.0	2335.6	2311.0	9.34	9.05	8.59	-38.9	-27.6	-36.4	2.81		
5.0	129.46	2438.6	2404.7	2380.1	9.25	9.00	8.66	-38.3	-28.0	-37.1	2.86		
5.5	125.84	2502.6	2469.4	2447.1	9.04	8.92	8.59	-33.2	-28.2	-38.9	2.59		
6.0	118.61	2562.8	2532.4	2510.9	8.97	8.83	8.42	-29.2	-28.8	-38.0	2.37		
6.5	110.74	2621.3	2591.7	2569.8	8.79	8.65	8.36	-26.7	-30.2	-36.5	2.42		
7.0	106.65	2676.7	2647.0	2626.5	8.62	8.52	8.21	-25.0	-31.7	-37.1	2.39		
7.5	101.22	2728.6	2700.4	2680.3	8.50	8.39	8.07	-23.5	-31.5	-38.4	2.37		
8.0	92.63	2778.0	2751.0	2730.3	8.39	8.21	7.99	-22.4	-30.7	-40.4	2.52		
8.5	90.89	2825.4	2797.3	2778.1	8.20	8.19	7.89	-21.5	-30.9	-42.6	2.55		
9.0	83.14	2869.1	2842.7	2823.6	8.15	8.01	7.75	-20.5	-30.9	-43.7	2.49		
9.5	80.72	2910.8	2884.3	2866.0	8.04	8.04	7.70	-19.8	-31.2	-45.4	2.45		
10.0	72.28	2949.4	2924.7	2905.8	7.94	7.86	7.67	-19.3	-32.3	-46.0	2.46		
10.5	69.29	2985.6	2960.8	2943.6	7.88	7.86	7.56	-19.2	-32.7	-46.8	2.29		
11.0	63.55	3019.2	2995.5	2978.1	7.78	7.78	7.56	-18.9	-33.5	-48.4	2.19		
11.5	57.90	3049.5	3027.2	3010.9	7.73	7.69	7.45	-19.0	-33.6	-48.5	1.93		
12.0	57.90	3077.9	3056.2	3041.0	7.63	7.65	7.37	-19.1	-34.9	-49.3	1.74		