

Voltage Controlled Oscillator

ROS-EDR8049

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			
0.00	63.57	5262.5	5247.8	5237.0	2.71	-0.25	-1.87	-26.3	-37.7	-46.3	0.92	1	-74
0.25	60.06	5277.8	5263.7	5253.5	2.54	0.01	-1.77	-27.8	-43.9	-46.3	1.04	10	-103
0.50	58.74	5292.6	5278.7	5268.7	2.26	-0.15	-1.55	-25.5	-46.6	-45.5	1.12	100	-122
0.75	58.26	5307.2	5293.4	5283.4	2.32	-0.44	-1.54	-22.0	-47.8	-45.3	1.18	1000	-143
1.00	58.21	5321.7	5307.9	5297.8	2.54	-0.43	-1.70	-25.8	-47.3	-46.4	1.23		
1.25	58.45	5336.2	5322.5	5312.3	2.70	-0.19	-1.85	-26.5	-47.9	-45.9	1.28		
1.50	59.18	5350.8	5337.1	5326.9	2.88	0.01	-1.70	-23.7	-44.8	-44.4	1.31		
1.75	60.54	5365.7	5351.9	5341.6	2.88	0.14	-1.41	-23.7	-41.7	-47.3	1.34		
2.00	62.40	5381.1	5367.0	5356.5	2.51	0.18	-1.13	-27.3	-38.3	-47.1	1.37		
2.25	64.45	5397.0	5382.6	5371.8	2.48	-0.01	-0.95	-26.8	-35.6	-45.7	1.42		
2.50	66.55	5413.4	5398.7	5387.6	2.59	-0.22	-1.21	-23.2	-32.4	-45.5	1.48		
2.75	68.27	5430.2	5415.4	5403.9	2.94	-0.02	-1.53	-27.6	-34.2	-45.8	1.53		
3.00	70.07	5447.5	5432.4	5420.8	2.83	0.20	-1.35	-29.3	-32.9	-47.0	1.54		
3.25	72.30	5465.4	5450.0	5438.1	3.23	0.28	-0.92	-26.5	-39.3	-46.8	1.53		
3.50	73.93	5483.7	5468.0	5455.8	3.14	0.42	-0.68	-28.6	-36.6	-46.9	1.46		
3.75	74.49	5502.4	5486.5	5474.1	2.94	0.35	-0.93	-30.5	-41.2	-47.0	1.31		
4.00	74.34	5521.1	5505.1	5492.6	2.91	0.21	-0.82	-28.1	-39.8	-46.6	1.02		
4.25	73.00	5539.6	5523.7	5511.1	3.42	0.12	-0.80	-30.5	-42.6	-46.3	0.64		
4.50	71.14	5557.8	5542.0	5529.5	3.35	0.51	-0.95	-33.1	-39.0	-46.8	0.21		
4.75	68.58	5575.5	5559.8	5547.4	2.98	0.48	-0.74	-30.3	-45.4	-45.7	0.18		
4.90	66.95	5585.8	5570.0	5557.7	2.94	0.31	-0.58	-31.1	-43.4	-45.2	0.37		
5.25	62.48	5608.9	5593.4	5581.0	3.08	0.13	-0.60	-34.9	-45.4	-45.9	0.66		
5.50	58.88	5624.4	5609.0	5596.7	3.13	0.17	-0.90	-32.7	-46.3	-47.2	0.67		
5.75	55.30	5639.0	5623.7	5611.6	3.36	0.14	-0.97	-29.7	-46.6	-45.9	0.54		
6.00	52.10	5652.8	5637.5	5625.4	3.36	0.24	-0.94	-33.2	-47.8	-47.2	0.29		
6.25	49.48	5665.9	5650.6	5638.5	3.00	0.26	-0.88	-33.8	-45.2	-47.1	0.03		
6.50	47.46	5678.4	5662.9	5650.8	2.75	0.07	-0.72	-31.8	-47.2	-44.5	0.40		
6.75	45.44	5690.3	5674.8	5662.5	2.90	-0.34	-0.70	-28.4	-47.6	-45.8	0.75		
7.00	45.44	5701.7	5686.1	5673.8	2.95	-0.47	-0.92	-29.2	-48.2	-45.5	1.05		