

Voltage Controlled Oscillator

ROS-EDR7804/2

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	55.80	5149.9	5137.0	5127.0	1.71	0.63	-1.54	-34.8	-52.8	-53.5	0.78	1	-74
0.25	52.97	5163.6	5151.0	5141.3	1.47	0.42	-1.39	-33.4	-51.0	-53.9	0.88	10	-102
0.50	52.01	5176.7	5164.2	5154.8	1.79	-0.02	-1.69	-29.5	-46.4	-54.0	0.94	100	-122
0.75	51.61	5189.5	5177.2	5167.8	1.46	-0.08	-2.06	-28.8	-42.6	-53.2	0.99	1000	-140
1.00	51.77	5202.5	5190.1	5180.6	1.69	-0.06	-2.00	-30.9	-38.1	-54.0	1.02		
1.25	52.47	5215.4	5203.1	5193.5	1.64	0.00	-1.93	-31.0	-34.3	-53.9	1.04		
1.50	53.37	5228.6	5216.2	5206.5	1.69	-0.01	-1.81	-28.2	-35.4	-54.0	1.07		
1.75	54.73	5242.1	5229.5	5219.7	1.83	-0.08	-1.66	-26.7	-39.0	-52.6	1.09		
2.00	56.28	5255.8	5243.2	5233.2	1.51	0.01	-1.77	-28.3	-43.1	-54.1	1.11		
2.25	58.15	5270.1	5257.3	5247.1	1.48	0.01	-1.92	-29.1	-47.1	-53.7	1.13		
2.50	60.27	5284.9	5271.8	5261.4	1.07	-0.22	-1.83	-27.5	-53.4	-52.0	1.16		
2.75	62.55	5300.3	5286.9	5276.2	0.79	-0.44	-1.89	-25.4	-54.8	-52.1	1.18		
3.00	64.67	5316.2	5302.5	5291.6	1.10	-0.48	-2.20	-27.4	-54.1	-53.1	1.19		
3.25	66.19	5332.5	5318.7	5307.6	1.14	-0.16	-2.50	-26.5	-50.9	-52.1	1.17		
3.50	67.77	5349.3	5335.2	5324.0	1.33	-0.13	-2.06	-23.8	-48.6	-52.8	1.08		
3.75	69.09	5366.6	5352.2	5340.8	0.63	-0.20	-1.91	-25.1	-44.9	-53.8	0.91		
4.00	69.50	5384.0	5369.5	5357.8	0.47	-0.40	-1.89	-26.7	-42.0	-53.0	0.68		
4.25	69.25	5401.5	5386.8	5375.1	0.31	-0.95	-2.25	-24.7	-42.0	-53.1	0.38		
4.50	67.63	5418.8	5404.1	5392.2	0.84	-0.87	-2.58	-27.4	-45.0	-53.1	0.06		
4.75	65.56	5435.7	5421.0	5409.2	0.47	-0.53	-2.82	-29.4	-47.9	-54.1	0.26		
4.90	64.19	5445.5	5430.9	5419.1	0.64	-0.52	-2.44	-28.7	-49.1	-53.7	0.41		
5.25	60.65	5467.9	5453.3	5441.4	0.94	-0.69	-1.93	-28.1	-50.9	-53.0	0.65		
5.50	57.86	5483.1	5468.4	5456.6	0.44	-0.47	-2.00	-30.3	-52.2	-54.5	0.66		
5.75	54.94	5497.7	5482.9	5471.0	-0.89	-0.58	-2.47	-31.0	-53.4	-53.2	0.55		
6.00	52.10	5511.3	5496.6	5484.7	0.44	-0.73	-2.52	-29.0	-50.8	-53.7	0.33		
6.25	49.52	5524.4	5509.6	5497.8	-0.18	-1.15	-2.79	-29.4	-53.6	-53.4	0.05		
6.50	47.27	5536.7	5522.0	5510.1	0.24	-1.30	-2.70	-30.7	-52.7	-53.3	0.24		
6.75	45.50	5548.6	5533.8	5521.9	0.50	-0.76	-2.75	-32.1	-51.6	-53.3	0.52		
7.00	45.50	5560.1	5545.2	5533.3	0.58	-0.52	-2.88	-31.8	-51.7	-54.2	0.78		