

Voltage Controlled Oscillator

ROS-EDR5786/1

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	115.68	3656.7	3632.2	3605.9	4.80	4.67	4.41	-20.2	-38.0	-48.0	3.07	1	-60
0.5	107.53	3682.9	3659.1	3633.9	4.82	4.67	4.25	-20.8	-38.6	-50.3	3.18	10	-87
0.8	101.76	3709.0	3684.5	3659.0	4.70	4.60	4.30	-20.8	-39.4	-50.6	3.38	100	-110
1.0	97.82	3733.2	3709.0	3683.9	4.72	4.63	4.25	-21.4	-40.8	-45.9	3.32	1000	-131
1.3	97.91	3757.9	3733.4	3709.0	4.65	4.53	4.17	-21.8	-41.9	-45.5	3.34		
1.5	100.52	3781.9	3758.6	3733.4	4.52	4.43	4.14	-21.7	-44.0	-45.8	3.20		
1.8	98.04	3807.9	3783.1	3758.6	4.41	4.32	4.04	-21.7	-46.8	-47.4	3.20		
2.0	107.30	3833.2	3809.9	3783.5	4.37	4.19	3.94	-22.3	-50.3	-48.7	3.04		
2.3	102.49	3859.1	3835.5	3810.7	4.30	4.20	3.82	-22.6	-54.7	-49.8	3.01		
2.5	110.12	3887.6	3863.1	3837.6	4.11	4.07	3.77	-22.4	-58.3	-50.9	2.79		
2.8	113.20	3915.8	3891.4	3865.4	4.09	4.01	3.69	-23.3	-54.7	-50.8	2.80		
3.0	122.43	3945.6	3922.0	3895.7	4.00	3.88	3.53	-23.5	-51.1	-52.7	2.74		
3.3	122.16	3977.7	3952.5	3925.7	3.83	3.78	3.48	-22.9	-49.5	-51.7	3.28		
3.5	121.27	4008.3	3982.8	3956.4	3.70	3.74	3.37	-23.8	-48.6	-51.3	3.79		
3.8	124.76	4038.6	4014.0	3987.6	3.65	3.56	3.25	-23.8	-48.7	-50.7	4.87		
4.0	118.15	4069.4	4043.5	4017.5	3.39	3.47	3.10	-23.8	-48.8	-50.1	5.83		
4.3	115.25	4096.4	4072.4	4045.5	3.30	3.26	3.01	-24.1	-47.1	-50.9	7.10		
4.5	99.66	4121.0	4097.3	4072.2	3.23	3.19	2.83	-24.4	-46.1	-51.8	7.47		
4.8	93.87	4144.3	4120.7	4095.6	3.07	3.06	2.75	-24.4	-45.7	-49.0	7.83		
5.0	79.67	4164.2	4140.7	4116.9	2.98	2.98	2.62	-24.7	-45.6	-48.0	7.68		
5.3	71.68	4181.2	4158.6	4134.8	2.93	2.88	2.53	-24.7	-45.5	-48.9	7.48		
5.5	63.24	4196.0	4174.4	4151.0	2.81	2.80	2.44	-24.9	-45.1	-50.9	6.75		
5.8	52.16	4207.6	4187.4	4164.5	2.79	2.73	2.34	-25.2	-44.8	-51.5	5.65		
6.0	42.77	4218.3	4198.1	4175.8	2.75	2.70	2.32	-25.3	-44.9	-51.2	5.00		
6.3	37.67	4227.8	4207.5	4185.8	2.68	2.65	2.27	-25.4	-45.0	-51.7	4.47		
6.5	33.25	4236.2	4215.8	4194.4	2.61	2.59	2.18	-25.5	-45.0	-51.1	3.97		
6.8	29.35	4243.2	4223.2	4201.8	2.53	2.53	2.12	-25.6	-44.8	-50.8	3.54		
7.0	25.90	4249.1	4229.7	4208.2	2.51	2.48	2.10	-25.8	-44.7	-51.1	3.20		