

Voltage Controlled Oscillator

ROS-EDR5785/1

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	114.52	3467.1	3449.0	3422.5	4.75	4.69	4.42	-19.6	-43.5	-42.3	7.37	1	-60
0.5	106.70	3492.6	3475.6	3450.5	4.74	4.63	4.43	-19.6	-40.7	-43.1	7.24	10	-86
0.8	102.17	3517.5	3501.2	3476.5	4.66	4.61	4.38	-19.6	-37.8	-43.7	6.88	100	-109
1.0	101.26	3543.7	3526.5	3501.9	4.54	4.58	4.31	-19.6	-36.7	-43.5	6.49	1000	-129
1.3	98.58	3567.2	3551.1	3527.8	4.52	4.48	4.20	-19.9	-38.9	-42.2	6.52		
1.5	100.72	3591.9	3576.3	3552.9	4.46	4.37	4.15	-19.9	-39.1	-43.2	6.45		
1.8	104.00	3617.6	3602.3	3578.9	4.27	4.23	4.02	-19.9	-36.7	-43.4	6.39		
2.0	103.63	3643.8	3628.2	3605.8	4.26	4.20	3.86	-20.5	-36.6	-43.5	5.85		
2.3	109.54	3670.5	3655.6	3633.0	4.15	4.05	3.82	-20.8	-37.1	-42.4	5.31		
2.5	113.35	3698.2	3683.9	3661.5	4.04	3.90	3.66	-21.0	-37.7	-43.3	5.14		
2.8	116.97	3728.6	3713.2	3691.1	3.89	3.89	3.52	-21.4	-38.1	-42.2	4.73		
3.0	123.18	3758.9	3744.0	3721.6	3.75	3.66	3.48	-21.4	-39.3	-41.9	4.43		
3.3	127.17	3790.1	3775.8	3753.2	3.52	3.43	3.30	-21.4	-41.4	-41.1	4.68		
3.5	130.31	3823.3	3808.4	3785.8	3.38	3.37	3.01	-22.4	-45.9	-42.7	5.55		
3.8	127.75	3855.0	3840.3	3818.6	3.25	3.18	2.95	-22.8	-46.9	-42.4	6.58		
4.0	122.96	3886.7	3871.0	3850.1	3.01	3.00	2.76	-23.0	-46.4	-41.4	6.89		
4.3	124.79	3916.1	3902.2	3879.7	2.92	2.86	2.59	-23.9	-44.4	-42.4	8.69		
4.5	107.94	3942.7	3929.2	3908.9	2.81	2.74	2.43	-24.0	-42.2	-41.3	9.74		
4.8	98.95	3967.2	3954.0	3934.1	2.67	2.57	2.31	-23.3	-41.3	-40.5	8.40		
5.0	88.83	3989.5	3976.2	3957.6	2.56	2.52	2.13	-24.2	-42.0	-41.0	10.51		
5.3	79.69	4008.2	3996.1	3975.8	2.42	2.37	2.07	-24.2	-41.0	-40.7	8.86		
5.5	63.50	4024.2	4012.0	3994.5	2.33	2.27	1.97	-24.6	-40.3	-40.8	8.58		
5.8	61.04	4037.6	4027.2	4009.0	2.32	2.17	1.83	-24.8	-39.8	-40.6	7.72		
6.0	46.79	4049.6	4038.9	4021.5	2.22	2.09	1.77	-24.3	-39.9	-40.7	5.72		
6.3	35.57	4060.0	4047.8	4033.0	2.10	2.07	1.68	-24.2	-40.6	-40.3	5.23		
6.5	35.38	4069.5	4056.7	4042.5	2.00	1.99	1.59	-24.7	-40.2	-40.4	5.41		
6.8	36.57	4076.9	4065.8	4050.1	1.99	1.90	1.51	-24.8	-41.0	-40.7	5.13		
7.0	30.56	4083.3	4073.4	4056.3	1.98	1.85	1.46	-24.8	-40.5	-39.9	4.24		