

Voltage Controlled Oscillator

ROS-EDR5784/1

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	120.39	3265.3	3236.7	3212.9	4.58	4.50	4.47	-17.7	-51.3	-51.1	1.94	1	-60
0.5	108.12	3290.9	3263.7	3241.4	4.64	4.53	4.26	-17.9	-50.4	-50.5	2.24	10	-86
0.8	101.79	3316.3	3289.2	3268.4	4.58	4.61	4.18	-18.0	-48.4	-49.4	2.45	100	-112
1.0	102.64	3341.6	3314.8	3292.9	4.57	4.49	4.29	-18.0	-45.6	-47.2	2.51	1000	-132
1.3	101.41	3367.2	3340.2	3318.7	4.65	4.48	4.16	-18.0	-43.8	-45.9	2.73		
1.5	102.51	3392.0	3365.8	3344.8	4.64	4.49	4.09	-17.8	-41.4	-44.4	2.92		
1.8	102.38	3418.0	3391.4	3371.3	4.62	4.46	4.08	-18.0	-40.4	-43.2	3.01		
2.0	106.08	3446.4	3417.9	3397.9	4.46	4.44	4.04	-18.2	-38.4	-41.9	2.76		
2.3	114.94	3472.7	3446.7	3425.9	4.55	4.28	3.99	-18.3	-37.3	-41.9	2.55		
2.5	114.36	3501.6	3475.3	3456.5	4.45	4.28	3.78	-18.6	-36.8	-43.5	2.46		
2.8	120.33	3534.1	3505.3	3485.7	4.14	4.19	3.77	-18.5	-36.6	-45.8	2.26		
3.0	130.35	3563.4	3537.9	3517.6	4.18	3.94	3.57	-18.9	-37.4	-47.7	2.25		
3.3	130.24	3596.2	3570.5	3550.5	4.01	3.80	3.40	-19.1	-40.2	-49.3	2.73		
3.5	130.44	3630.9	3603.1	3583.7	3.75	3.66	3.23	-19.4	-40.9	-48.4	3.52		
3.8	134.53	3663.0	3636.7	3618.2	3.64	3.41	2.89	-20.0	-40.4	-46.9	4.59		
4.0	125.45	3694.5	3668.1	3649.0	3.49	3.30	2.84	-20.5	-40.3	-45.2	5.58		
4.3	119.60	3724.2	3698.0	3679.3	3.36	3.14	2.69	-20.8	-40.4	-45.4	7.48		
4.5	113.95	3751.6	3726.5	3709.5	3.17	2.92	2.41	-21.6	-40.8	-47.8	7.88		
4.8	100.00	3774.8	3751.5	3733.3	3.04	2.78	2.36	-21.4	-41.8	-51.7	8.20		
5.0	83.12	3798.1	3772.3	3756.8	2.73	2.71	2.16	-21.6	-42.9	-46.0	8.62		
5.3	81.02	3815.1	3792.5	3775.8	2.82	2.50	2.07	-22.1	-43.7	-42.4	8.46		
5.5	68.60	3831.5	3809.7	3794.4	2.69	2.40	1.87	-22.6	-44.7	-42.8	6.88		
5.8	55.69	3844.6	3823.6	3809.1	2.64	2.38	1.78	-22.9	-45.2	-43.1	6.27		
6.0	50.39	3855.5	3836.2	3820.5	2.62	2.27	1.77	-23.1	-46.2	-44.3	5.39		
6.3	39.44	3865.7	3846.0	3831.8	2.53	2.23	1.67	-23.1	-46.3	-44.6	3.99		
6.5	32.76	3874.9	3854.2	3841.5	2.42	2.23	1.57	-23.3	-46.6	-45.3	3.68		
6.8	31.45	3883.2	3862.1	3849.0	2.31	2.18	1.54	-23.5	-47.6	-44.9	3.35		
7.0	29.03	3890.0	3869.4	3855.4	2.25	2.11	1.53	-23.8	-47.7	-45.3	2.96		