

Voltage Controlled Oscillator

ROS-EDR8253

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			
0.0	18.43	3593.8	3578.2	3570.8	4.72	4.55	4.30	-15.2	-39.3	-38.2	1.12	1	-77
0.1	17.74	3595.5	3580.1	3572.7	4.72	4.56	4.31	-15.3	-39.0	-38.2	1.12	10	-102
1.0	13.31	3609.5	3594.9	3588.3	4.80	4.63	4.38	-16.0	-38.4	-38.5	1.20	100	-124
1.5	12.29	3615.9	3601.6	3595.0	4.86	4.65	4.40	-16.2	-36.4	-37.6	1.04	1000	-144
2.0	11.90	3622.0	3607.7	3601.3	4.91	4.68	4.42	-15.8	-34.3	-36.2	1.04	10000	-162
2.5	11.52	3627.7	3613.7	3607.2	4.93	4.71	4.46	-15.4	-35.0	-36.4	1.04	40000	-165
3.0	11.26	3633.4	3619.5	3612.9	4.94	4.73	4.50	-15.4	-35.8	-37.1	1.04		
3.5	11.26	3639.0	3625.1	3618.6	4.94	4.74	4.52	-15.8	-35.5	-36.5	1.04		
4.0	11.52	3644.8	3630.7	3624.3	4.93	4.76	4.54	-16.5	-35.5	-36.8	0.96		
4.5	11.90	3650.8	3636.5	3630.0	4.92	4.77	4.55	-17.1	-35.9	-38.2	0.96		
5.0	12.16	3656.8	3642.4	3635.7	4.92	4.75	4.55	-18.4	-34.0	-38.2	0.96		
5.5	12.16	3662.7	3648.5	3641.8	4.93	4.74	4.54	-18.5	-33.3	-37.7	0.96		
6.0	12.29	3668.5	3654.6	3648.1	4.93	4.74	4.52	-17.5	-33.2	-37.1	0.96		
6.5	12.67	3674.7	3660.7	3654.5	4.93	4.75	4.50	-16.5	-32.2	-37.1	0.96		
7.0	13.18	3681.0	3667.1	3660.9	4.92	4.77	4.47	-16.3	-32.0	-37.3	0.88		
7.5	13.57	3687.4	3673.7	3667.5	4.93	4.78	4.48	-16.7	-34.3	-38.3	0.88		
8.0	13.95	3694.1	3680.4	3674.2	4.95	4.76	4.49	-17.1	-36.0	-40.7	0.80		
8.5	14.21	3701.1	3687.4	3681.0	4.97	4.74	4.49	-17.6	-34.9	-43.2	0.80		
9.0	14.08	3708.1	3694.5	3688.1	4.96	4.73	4.49	-18.5	-34.3	-44.3	0.72		
9.5	13.82	3715.3	3701.6	3695.1	4.94	4.74	4.49	-20.0	-33.6	-43.4	0.64		
10.0	13.18	3722.3	3708.5	3702.0	4.92	4.72	4.48	-20.8	-33.3	-42.3	0.56		
10.5	12.42	3729.0	3715.1	3708.6	4.87	4.68	4.45	-20.4	-34.4	-42.0	0.64		
11.0	11.39	3735.5	3721.3	3714.9	4.81	4.64	4.41	-19.6	-33.1	-43.9	0.56		
11.5	10.62	3741.3	3727.0	3720.7	4.74	4.58	4.36	-19.2	-33.6	-46.9	0.56		
12.0	9.47	3746.4	3732.3	3725.8	4.70	4.52	4.31	-19.1	-34.8	-49.9	0.64		
12.5	8.19	3750.7	3737.0	3730.4	4.67	4.46	4.27	-19.2	-35.2	-51.2	0.56		
13.0	6.91	3754.5	3741.1	3734.5	4.65	4.41	4.22	-19.3	-35.1	-51.0	0.56		
13.5	6.27	3757.8	3744.6	3738.2	4.63	4.39	4.16	-19.4	-35.2	-50.6	0.56		
14.0	5.50	3760.7	3747.7	3741.4	4.61	4.36	4.11	-19.7	-35.8	-50.7	0.56		
14.5	4.74	3763.3	3750.5	3744.2	4.59	4.34	4.07	-20.1	-36.4	-51.1	0.56		
15.0	4.35	3765.8	3752.8	3746.7	4.57	4.32	4.04	-20.6	-36.6	-52.0	0.48		
15.5	4.10	3767.9	3755.0	3749.0	4.55	4.30	4.01	-21.3	-36.6	-54.1	0.56		
16.0	3.84	3770.0	3757.1	3751.0	4.53	4.28	3.99	-22.0	-36.6	-55.6	0.64		
16.5	3.33	3771.8	3759.0	3752.9	4.51	4.26	3.97	-22.6	-36.6	-56.1	0.64		
17.0	3.33	3773.5	3760.6	3754.6	4.49	4.24	3.95	-23.2	-36.7	-58.5	0.64		
17.5	2.94	3775.1	3762.3	3756.2	4.47	4.22	3.93	-23.7	-36.9	-59.8	0.56		
18.0	2.94	3776.6	3763.8	3757.6	4.46	4.20	3.91	-24.1	-37.1	-61.8	0.64		