

Voltage Controlled Oscillator

ROS-EDR6101

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			
0.5	42.71	2882.9	2858.3	2845.9	6.01	5.12	4.08	-24.9	-40.5	-51.9	-3.95	1	-73
1.0	34.90	2900.1	2875.8	2864.0	6.00	5.14	4.05	-24.4	-37.8	-53.0	-3.99	10	-98
1.5	31.31	2915.0	2891.4	2879.6	6.17	5.03	4.10	-24.1	-34.6	-55.6	-4.42	100	-118
2.0	31.45	2928.6	2907.2	2894.2	6.16	5.02	4.07	-23.5	-33.3	-56.5	-4.23	1000	-138
2.5	26.96	2942.0	2920.6	2909.2	6.15	5.06	3.95	-23.6	-31.3	-59.6	-4.25		
3.0	27.07	2955.2	2934.2	2922.2	6.09	4.98	4.07	-23.4	-30.2	-61.2	-4.55		
3.5	27.12	2968.1	2947.7	2935.3	5.95	4.93	4.07	-23.5	-28.8	-62.7	-4.63		
4.0	26.51	2982.3	2961.0	2948.4	5.84	4.80	4.06	-23.7	-28.6	-63.5	-4.79		
4.5	27.46	2995.8	2974.7	2961.3	5.86	4.62	4.06	-23.9	-27.9	-63.2	-5.45		
5.0	29.73	3009.2	2989.6	2974.4	5.74	4.62	4.01	-24.2	-28.0	-63.3	-4.91		
5.5	26.38	3023.3	3002.8	2988.7	5.59	4.63	3.92	-24.6	-27.4	-63.0	-4.94		
6.0	27.36	3037.9	3016.5	3002.0	5.45	4.58	4.01	-25.1	-28.3	-61.2	-5.32		
6.5	28.71	3052.6	3030.8	3015.3	5.25	4.56	4.08	-25.7	-28.1	-64.7	-5.42		
7.0	28.67	3069.3	3045.1	3029.3	5.26	4.49	4.11	-26.4	-28.8	-64.4	-5.47		
7.5	31.23	3084.4	3060.8	3043.6	5.34	4.38	4.14	-27.2	-28.7	-62.3	-6.41		
8.0	31.83	3100.0	3076.7	3058.4	5.31	4.58	4.12	-27.9	-29.2	-55.7	-5.41		
8.5	30.19	3116.4	3091.8	3074.7	5.30	4.67	4.10	-28.9	-30.0	-52.2	-5.69		
9.0	32.28	3133.3	3107.9	3090.0	5.21	4.74	4.30	-29.8	-30.2	-47.6	-5.93		
9.5	33.44	3152.3	3124.6	3106.2	5.45	4.70	4.41	-31.1	-30.8	-44.6	-5.87		
10.0	36.87	3169.7	3143.1	3123.0	5.61	4.69	4.47	-32.3	-31.9	-41.8	-6.69		
10.5	36.16	3188.0	3161.1	3140.7	5.71	5.02	4.45	-33.8	-31.6	-40.1	-5.92		
11.0	35.96	3206.6	3179.1	3159.6	5.73	5.12	4.56	-35.1	-32.1	-38.7	-6.16		
11.5	37.51	3227.4	3197.9	3177.6	5.81	5.22	4.76	-36.1	-33.2	-37.5	-5.92		
12.0	38.47	3247.6	3217.1	3196.3	6.12	5.21	4.89	-36.9	-33.8	-37.0	-6.36		
12.5	41.53	3267.4	3237.9	3215.2	6.33	5.47	4.97	-36.2	-34.1	-37.0	-6.04		
13.0	38.32	3286.5	3257.0	3235.0	6.39	5.68	5.01	-35.0	-35.3	-37.4	-5.86		
13.5	37.87	3308.5	3276.0	3254.0	6.58	5.86	5.24	-33.6	-36.2	-38.3	-5.38		
14.0	37.33	3328.3	3294.6	3272.5	6.86	5.90	5.43	-32.6	-36.6	-39.4	-5.91		
14.5	40.12	3347.5	3314.7	3290.3	7.12	6.13	5.60	-31.2	-36.4	-39.5	-5.44		
15.5	34.57	3373.3	3349.7	3326.1	7.23	6.53	5.86	-29.4	-37.8	-40.5	-5.08		
16.0	32.36	3388.7	3365.9	3342.5	7.48	6.66	6.03	-28.7	-37.7	-40.7	-5.20		
17.0	32.78	3413.9	3398.9	3372.7	7.87	7.00	6.41	-27.6	-38.7	-40.9	-6.01		
17.5	29.27	3426.1	3413.5	3387.5	8.06	7.14	6.48	-27.1	-39.0	-41.3	-6.17		
18.5	26.93	3448.1	3441.4	3415.1	8.25	7.48	6.79	-26.6	-39.9	-41.9	-6.69		
19.0	25.58	3459.5	3454.2	3427.7	8.26	7.50	6.95	-26.3	-40.2	-42.5	-7.18		
20.0	24.82	3481.1	3480.7	3451.2	8.81	7.94	7.24	-26.1	-41.0	-43.0	-6.60		
20.5	22.29	3490.4	3491.9	3462.5	8.92	8.08	7.27	-25.8	-40.9	-43.4	-6.29		
21.5	21.36	3508.3	3513.5	3484.7	9.13	8.36	7.50	-25.5	-41.5	-44.5	-6.11		
22.0	20.04	3516.8	3523.5	3494.4	9.24	8.46	7.64	-25.4	-40.9	-45.0	-5.82		