

Voltage Controlled Oscillator

ROS-ED9280B/2

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	45.46	2875.8	2856.6	2843.4	4.49	4.32	4.13	-40.7	-42.8	-44.5	2.44	1	-70
1.0	39.28	2894.5	2876.3	2862.6	4.42	4.47	4.24	-40.0	-43.4	-44.4	2.54	10	-92
1.5	34.74	2911.5	2893.6	2880.2	4.43	4.39	4.28	-38.9	-43.5	-44.7	2.49	100	-112
2.0	31.50	2926.6	2909.4	2896.0	4.35	4.41	4.16	-38.3	-43.7	-44.0	2.38	1000	-132
2.5	29.16	2941.0	2924.0	2910.8	4.17	4.32	4.16	-37.5	-43.9	-44.5	2.42		
3.0	27.98	2955.2	2938.0	2924.8	4.08	4.14	4.06	-35.9	-43.9	-44.4	2.34		
3.5	27.46	2969.0	2951.7	2938.3	4.19	4.07	3.90	-35.9	-45.7	-44.1	2.39		
4.0	27.32	2982.6	2965.4	2951.5	4.40	4.27	3.83	-36.0	-47.2	-46.2	2.40		
4.5	26.88	2996.1	2978.8	2964.7	4.40	4.37	4.02	-35.4	-47.0	-46.2	2.32		
5.0	26.56	3009.1	2992.1	2977.8	4.54	4.46	4.11	-34.8	-46.2	-47.5	2.33		
5.5	25.94	3021.8	3005.0	2990.9	4.55	4.48	4.19	-34.3	-44.2	-46.8	2.24		
6.0	25.62	3034.6	3017.9	3003.9	4.55	4.54	4.21	-34.3	-42.5	-47.6	2.14		
6.5	25.54	3047.6	3030.6	3016.8	4.50	4.45	4.19	-34.3	-43.0	-47.3	2.11		
7.0	25.78	3060.8	3043.5	3029.5	4.49	4.50	4.19	-34.2	-42.9	-46.7	2.10		
7.5	26.68	3074.4	3056.9	3042.5	4.38	4.45	4.23	-33.6	-43.8	-46.5	2.07		
8.0	27.14	3088.0	3070.4	3055.8	4.26	4.37	4.16	-33.7	-43.9	-47.2	2.02		
8.5	27.26	3101.6	3084.1	3069.4	4.23	4.24	4.05	-33.6	-44.9	-46.6	1.98		
9.0	27.66	3115.3	3097.9	3083.4	4.09	4.14	3.90	-33.2	-45.6	-46.7	1.90		
9.5	28.06	3129.1	3111.9	3097.6	4.05	4.17	3.82	-33.3	-45.4	-45.0	1.85		
10.0	28.14	3143.3	3126.0	3111.8	4.05	4.02	3.83	-33.2	-44.4	-44.7	1.80		
10.5	29.64	3158.1	3140.8	3126.1	4.07	3.84	3.68	-33.2	-44.5	-44.8	1.80		
11.0	30.32	3173.5	3156.0	3140.9	4.12	3.86	3.50	-33.2	-42.9	-46.4	1.68		
11.5	31.04	3189.0	3171.5	3156.3	3.92	3.88	3.48	-33.6	-42.3	-46.9	1.60		
12.0	32.32	3204.6	3187.6	3172.3	3.99	3.68	3.45	-33.5	-42.0	-46.9	1.55		
12.5	32.32	3220.6	3203.8	3188.9	3.79	3.73	3.23	-33.8	-42.6	-45.2	1.40		
13.0	33.04	3236.9	3220.3	3205.4	3.52	3.49	3.28	-34.2	-41.5	-46.5	1.30		
13.5	34.56	3254.2	3237.6	3222.2	3.14	3.14	3.00	-34.7	-41.1	-45.6	1.15		
14.0	34.12	3271.5	3254.7	3239.3	2.95	2.86	2.60	-34.2	-39.9	-46.2	1.05		
14.5	35.56	3289.2	3272.4	3256.8	2.72	2.59	2.19	-34.5	-39.3	-44.3	0.85		
15.0	35.40	3307.1	3290.1	3275.0	2.53	2.39	1.83	-34.1	-38.0	-43.5	0.66		
15.5	34.66	3324.4	3307.5	3292.3	2.38	2.16	1.58	-34.0	-36.2	-42.7	0.45		
16.0	34.10	3342.4	3324.5	3309.4	2.04	2.02	1.39	-35.2	-35.2	-42.6	0.20		