

Voltage Controlled Oscillator

ROS-ED8470A/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			
0.5	72.32	412.0	403.1	396.6	4.08	4.54	4.50	-9.5	-34.3	-38.5	1.31	1	-81
0.6	66.08	421.8	413.0	406.7	4.31	4.67	4.64	-10.8	-33.8	-38.2	1.10	10	-104
0.8	62.10	431.1	422.4	416.0	4.39	4.92	4.79	-11.8	-34.0	-38.3	0.92	100	-124
0.9	58.45	439.8	431.1	424.7	4.62	5.02	4.82	-12.8	-34.0	-38.3	0.71	1000	-144
1.1	55.48	448.1	439.5	432.9	4.75	5.25	5.19	-13.5	-33.8	-38.8	0.54		
1.2	52.48	456.0	447.3	440.7	5.10	5.38	5.33	-14.2	-33.7	-39.5	0.36		
1.4	50.09	463.5	454.8	448.2	5.53	5.69	5.38	-14.7	-33.5	-40.2	0.17		
1.5	47.74	470.8	462.0	455.3	5.79	5.96	5.61	-15.3	-33.0	-39.8	0.02		
1.7	45.49	477.9	468.8	462.3	6.15	6.28	5.76	-15.7	-32.7	-40.2	0.22		
1.8	42.69	484.6	475.2	469.1	6.37	6.52	5.95	-16.3	-32.5	-40.5	0.35		
2.0	40.74	491.1	481.3	475.7	6.67	6.65	6.08	-16.8	-31.8	-40.0	0.12		
2.1	41.48	497.3	487.6	482.3	6.82	6.75	6.18	-17.5	-31.5	-39.8	0.69		
2.3	42.04	503.0	493.9	488.7	7.09	6.71	6.35	-18.3	-31.3	-39.7	0.86		
2.4	41.58	507.3	500.1	494.9	6.82	6.80	6.40	-19.2	-30.7	-39.2	0.87		
2.6	41.03	513.3	506.3	501.1	6.74	6.87	6.55	-19.8	-30.8	-38.2	0.84		
2.7	39.88	519.3	512.2	507.0	6.87	6.95	6.67	-20.3	-30.7	-37.5	0.79		
2.9	38.97	525.1	518.1	512.9	6.95	7.11	6.77	-21.2	-30.8	-37.3	0.76		
3.0	37.98	530.8	523.8	518.5	6.99	7.23	7.00	-21.7	-31.0	-36.5	0.71		
3.2	37.15	536.3	529.4	524.0	7.11	7.32	7.15	-22.2	-31.0	-36.0	0.66		
3.3	35.73	541.6	534.7	529.3	7.10	7.44	7.25	-22.8	-31.2	-36.0	0.63		
3.5	34.69	546.8	539.9	534.5	7.25	7.47	7.40	-23.5	-31.3	-35.7	0.59		
3.6	33.88	551.9	545.0	539.6	7.43	7.61	7.42	-24.2	-31.7	-35.2	0.55		
3.8	32.59	556.7	549.9	544.4	7.44	7.81	7.59	-24.8	-31.8	-35.0	0.52		
3.9	31.45	561.4	554.6	549.1	7.45	7.85	7.78	-25.3	-32.0	-34.7	0.49		
4.1	30.37	565.9	559.2	553.6	7.53	7.87	7.82	-25.7	-32.2	-34.2	0.43		
4.2	29.82	570.3	563.6	557.9	7.54	7.95	7.82	-26.3	-32.3	-34.5	0.42		
4.4	27.66	574.5	567.8	562.0	7.58	7.96	7.92	-26.8	-32.7	-34.3	0.35		
4.5	26.96	578.6	571.8	566.0	7.57	8.04	8.00	-27.3	-33.0	-34.5	0.33		
4.7	25.87	582.5	575.7	569.8	7.64	8.07	8.00	-27.7	-33.3	-34.3	0.28		
4.8	24.71	586.2	579.4	573.4	7.67	8.06	8.01	-28.0	-33.7	-34.0	0.23		
5.0	23.46	589.7	582.9	576.8	7.70	8.08	8.07	-28.2	-33.7	-33.8	0.20		
5.1	22.50	593.1	586.3	580.0	7.87	8.14	8.05	-28.5	-34.0	-33.5	0.13		