

Voltage Controlled Oscillator

ROS-470-819+

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			
0.00	34.24	372.1	369.0	367.4	6.18	5.87	5.02	-21.2	-41.1	-37.1	0.55	1	-85
0.25	34.10	381.0	377.6	376.2	6.38	6.31	5.55	-20.8	-43.0	-34.1	1.11	10	-114
0.50	34.46	389.3	386.1	384.9	6.54	6.51	5.70	-21.4	-42.9	-32.8	1.91	100	-136
0.75	32.17	397.5	394.7	393.3	6.66	6.51	5.75	-22.0	-43.5	-32.7	1.93	1000	-155
1.00	30.38	405.7	402.8	401.0	6.76	6.47	5.79	-22.6	-43.2	-32.7	1.55		
1.25	29.14	413.5	410.4	408.4	6.85	6.45	5.83	-23.4	-41.7	-32.6	1.32		
1.50	27.97	420.9	417.7	415.5	6.93	6.47	5.90	-24.0	-40.4	-32.7	1.19		
1.75	27.59	428.2	424.7	422.4	6.93	6.58	5.98	-24.8	-39.9	-32.9	1.09		
2.00	28.73	435.3	431.6	429.2	7.06	6.55	5.98	-24.7	-41.6	-32.2	1.03		
2.25	27.61	442.0	438.7	436.1	7.16	6.31	5.89	-25.3	-38.3	-32.8	0.92		
2.50	26.99	448.8	445.6	442.8	6.87	6.27	5.91	-26.5	-36.6	-33.6	0.92		
2.75	26.55	455.6	452.4	449.4	6.71	6.27	5.96	-27.4	-35.5	-34.4	0.96		
3.00	26.18	462.4	459.0	456.0	6.59	6.26	5.99	-27.9	-34.7	-34.7	1.01		
3.25	25.73	469.0	465.6	462.4	6.47	6.24	6.01	-28.7	-34.1	-35.6	1.07		
3.50	25.22	475.6	472.0	468.7	6.35	6.21	6.01	-29.3	-33.6	-36.2	1.13		
3.75	24.67	481.9	478.3	474.9	6.23	6.18	6.00	-29.7	-32.7	-36.8	1.20		
3.90	24.32	485.7	482.0	478.5	6.16	6.16	5.99	-30.1	-32.6	-37.0	1.24		
4.25	23.49	494.2	490.5	486.8	6.02	6.09	5.95	-30.6	-32.2	-37.6	1.33		
4.50	22.86	500.1	496.4	492.6	5.91	6.03	5.91	-30.8	-32.0	-38.1	1.38		
4.75	22.21	505.9	502.1	498.2	5.81	5.98	5.86	-31.1	-31.4	-38.6	1.43		
5.00	21.54	511.5	507.6	503.6	5.71	5.92	5.81	-31.3	-31.2	-38.5	1.47		
5.25	20.86	516.9	513.0	508.8	5.60	5.86	5.75	-31.3	-30.9	-38.4	1.49		
5.50	20.24	522.2	518.2	513.8	5.49	5.78	5.68	-31.2	-30.6	-38.4	1.51		
5.75	19.59	527.3	523.3	518.6	5.38	5.70	5.59	-31.3	-30.6	-38.0	1.52		
6.00	18.96	532.3	528.2	523.2	5.25	5.60	5.49	-31.3	-30.3	-37.4	1.51		
6.25	18.33	537.1	532.9	527.5	5.12	5.50	5.36	-31.1	-30.1	-36.7	1.50		
6.50	17.72	541.7	537.5	531.7	4.97	5.39	5.22	-30.9	-29.9	-36.1	1.49		
6.75	17.13	546.2	542.0	535.8	4.82	5.27	5.04	-30.7	-29.6	-35.4	1.47		
7.00	17.13	550.6	546.2	539.8	4.67	5.14	4.84	-30.5	-29.4	-35.0	1.44		

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