

Voltage Controlled Oscillator

ROS-625-219+

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	39.37	243.8	242.0	239.3	7.48	6.93	6.82	-15.9	-14.3	-29.7	0.29	1	-82
0.3	35.34	255.5	253.8	251.6	7.28	6.80	6.70	-16.3	-17.2	-34.0	0.23	10	-105
1.0	28.73	279.6	278.0	276.3	7.11	6.62	6.48	-15.4	-25.1	-44.9	0.11	100	-125
1.5	27.10	293.8	292.3	290.7	7.21	6.63	6.41	-14.5	-29.7	-45.2	0.03	1000	-145
2.0	26.90	307.2	305.9	304.2	7.31	6.66	6.39	-13.5	-33.8	-43.0	0.04		
2.5	27.54	320.7	319.4	317.6	7.35	6.67	6.38	-12.8	-36.7	-41.7	0.07		
3.0	28.43	334.7	333.1	331.2	7.31	6.66	6.36	-12.4	-40.5	-42.3	0.04		
3.5	29.15	349.2	347.3	345.1	7.18	6.61	6.30	-12.1	-44.2	-43.7	0.00		
4.0	29.59	364.1	361.9	359.4	7.01	6.54	6.25	-12.6	-49.1	-45.3	0.04		
4.5	29.88	379.3	376.7	373.9	6.85	6.48	6.22	-13.0	-51.5	-45.3	0.08		
5.0	30.00	394.5	391.6	388.6	6.69	6.43	6.21	-14.0	-48.6	-43.7	0.11		
5.5	29.98	409.7	406.6	403.4	6.51	6.33	6.16	-15.4	-46.5	-42.7	0.13		
6.0	29.63	424.8	421.6	418.2	6.32	6.20	6.09	-16.9	-45.4	-42.5	0.14		
6.5	29.00	439.8	436.4	432.8	6.12	6.07	6.01	-18.5	-45.0	-43.0	0.14		
7.0	28.00	454.5	451.0	447.0	5.98	5.99	5.96	-18.5	-45.2	-44.9	0.10		
7.5	26.69	468.8	465.0	460.7	5.94	5.99	5.96	-21.6	-46.1	-46.3	0.03		
8.0	25.28	482.4	478.3	473.8	5.99	6.05	6.02	-22.9	-46.4	-48.8	0.07		
8.5	23.87	495.2	490.9	486.2	6.09	6.16	6.12	-24.6	-46.1	-51.3	0.19		
9.0	22.71	507.3	502.9	497.9	6.17	6.25	6.20	-24.7	-45.2	-54.1	0.33		
9.5	21.74	518.9	514.2	509.1	6.23	6.32	6.26	-28.2	-44.2	-55.7	0.47		
10.0	20.87	529.9	525.1	519.8	6.27	6.36	6.29	-30.0	-43.4	-55.3	0.61		
10.5	20.05	540.4	535.5	530.0	6.32	6.40	6.31	-32.3	-42.9	-52.2	0.75		
11.0	19.35	550.6	545.6	540.0	6.37	6.43	6.33	-34.7	-42.5	-49.1	0.88		
11.5	18.57	560.3	555.2	549.5	6.42	6.47	6.34	-36.6	-42.3	-46.8	1.00		
12.0	17.74	569.6	564.5	558.8	6.48	6.51	6.36	-37.2	-42.7	-44.6	1.08		
12.5	17.15	578.5	573.4	567.7	6.53	6.55	6.39	-37.3	-42.9	-42.9	1.15		
13.0	16.66	587.1	582.0	576.2	6.57	6.59	6.41	-35.4	-43.1	-41.9	1.23		
13.5	16.16	595.5	590.3	584.4	6.58	6.61	6.42	-35.4	-43.6	-40.3	1.31		
14.0	15.68	603.6	598.4	592.4	6.57	6.61	6.42	-33.2	-44.2	-39.4	1.40		
14.5	15.22	611.5	606.2	600.2	6.54	6.59	6.40	-32.4	-44.6	-38.5	1.50		
15.0	14.77	619.2	613.8	607.8	6.50	6.55	6.37	-31.4	-44.3	-37.2	1.60		
15.5	14.31	626.6	621.2	615.1	6.44	6.50	6.32	-30.6	-44.0	-36.3	1.72		
16.0	13.75	633.8	628.4	622.3	6.39	6.44	6.26	-30.2	-43.5	-35.8	1.83		
16.5	13.02	640.6	635.2	629.1	6.34	6.39	6.20	-29.5	-42.4	-34.8	1.91		
17.0	12.32	647.0	641.7	635.8	6.30	6.34	6.14	-29.3	-42.0	-34.0	1.98		
17.5	11.73	653.1	647.9	642.0	6.26	6.30	6.09	-29.2	-40.9	-33.5	2.07		
18.0	11.19	658.9	653.8	648.0	6.21	6.25	6.05	-28.9	-40.1	-33.0	2.19		
18.5	10.70	664.4	659.4	653.6	6.17	6.20	6.00	-28.5	-39.2	-32.7	2.31		
19.5	9.82	674.8	669.8	664.3	6.05	6.09	5.87	-28.3	-38.2	-31.6	2.56		
20.0	9.82	679.6	674.7	669.3	5.97	6.02	5.77	-28.1	-37.4	-31.4	2.68		

REV. X1
ROS-625-219+
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Page 1 of 1



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