

Voltage Controlled Oscillator

ROS-3555+

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	113.54	2799.8	2782.5	2764.9	5.50	5.34	4.70	-26.20	-33.04	-54.04	1.41	1	-70.1
0.50	94.59	2854.5	2839.2	2831.6	5.48	5.26	4.58	-26.02	-34.65	-55.98	2.05	10	-96.0
1.00	83.58	2900.2	2886.5	2879.1	5.42	5.28	4.75	-27.09	-37.23	-56.48	2.05	100	-118.1
1.50	75.65	2940.7	2928.3	2920.8	5.51	5.28	4.71	-25.47	-35.63	-59.17	2.18	1000	-138.1
2.00	69.89	2978.5	2966.1	2958.5	5.48	5.27	4.82	-26.90	-38.60	-57.73	2.43		
2.50	69.63	3013.4	3001.1	2993.7	5.34	5.20	4.81	-25.78	-36.75	-55.45	2.30		
3.00	64.51	3047.6	3035.9	3028.0	5.40	5.17	4.73	-25.93	-36.95	-60.27	2.56		
3.50	65.79	3080.6	3068.2	3060.5	5.37	5.19	4.82	-25.74	-38.44	-60.15	2.69		
4.00	62.08	3113.0	3101.1	3092.8	5.30	5.07	4.82	-26.17	-39.69	-58.41	2.56		
4.50	61.44	3143.9	3132.1	3123.8	5.29	5.08	4.76	-24.01	-40.25	-56.53	2.56		
5.00	61.06	3174.7	3162.8	3154.2	5.21	5.05	4.75	-25.40	-42.64	-53.77	2.56		
5.50	61.70	3205.4	3193.3	3184.7	5.13	4.94	4.74	-24.46	-40.07	-54.78	2.69		
6.00	60.42	3236.1	3224.2	3215.2	5.22	4.98	4.74	-24.72	-38.96	-56.31	2.69		
6.50	61.44	3266.6	3254.4	3245.3	5.22	5.07	4.79	-24.54	-39.28	-61.05	2.94		
7.00	61.06	3297.3	3285.1	3275.8	5.10	4.98	4.83	-26.43	-41.32	-59.03	3.07		
7.50	61.95	3328.1	3315.6	3306.3	5.09	4.91	4.80	-24.18	-40.72	-59.56	3.07		
8.00	61.70	3358.8	3346.6	3336.9	5.13	4.97	4.77	-26.63	-43.04	-57.34	3.07		
8.50	64.13	3390.1	3377.5	3367.7	4.99	4.96	4.80	-25.74	-42.99	-56.40	3.07		
9.00	63.74	3422.0	3409.5	3399.5	4.90	4.79	4.77	-24.96	-43.03	-57.72	3.33		
9.50	65.28	3454.0	3441.4	3431.4	5.03	4.86	4.71	-25.02	-43.72	-57.94	3.33		
10.00	66.94	3486.9	3474.0	3463.7	4.94	4.93	4.73	-25.16	-44.76	-59.39	3.33		
10.50	67.58	3520.6	3507.5	3497.2	4.83	4.71	4.70	-23.95	-45.82	-58.78	3.58		
11.00	68.74	3554.3	3541.3	3530.8	5.02	4.82	4.63	-24.22	-45.96	-59.42	3.46		
11.50	70.02	3589.2	3575.7	3564.9	4.98	4.93	4.68	-23.39	-45.56	-58.09	3.46		
12.00	69.63	3624.3	3610.7	3599.9	4.96	4.85	4.73	-23.83	-45.75	-59.61	2.94		
12.50	68.61	3659.1	3645.5	3634.7	5.10	4.93	4.69	-23.91	-48.44	-59.37	2.30		
13.00	67.84	3693.7	3679.8	3669.2	5.02	4.98	4.67	-23.75	-48.33	-59.47	1.28		
13.50	64.77	3727.4	3713.7	3703.3	4.91	4.84	4.67	-23.73	-48.09	-58.79	0.00		
14.00	61.95	3759.8	3746.1	3735.8	5.01	4.81	4.58	-24.01	-46.07	-59.47	1.28		
14.50	59.26	3791.0	3777.1	3767.0	4.92	4.90	4.49	-23.54	-44.28	-54.56	2.82		
15.00	54.78	3820.7	3806.7	3796.7	4.73	4.71	4.48	-23.99	-45.28	-45.28	4.22		
15.50	50.56	3848.0	3834.1	3824.3	4.85	4.63	4.44	-22.33	-48.29	-40.73	5.12		
16.00	50.56	3873.6	3859.4	3849.6	5.01	4.79	4.38	-23.27	-46.27	-38.50	6.14		