

Voltage Controlled Oscillator

ROS-2500-2919+

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	87.14	1314.97	1298.27	1283.62	10.30	9.78	8.51	-15.32	-26.76	-34.00	0.84	1	-73
0.5	81.41	1357.70	1341.85	1327.73	10.28	9.81	8.66	-14.89	-28.81	-36.64	0.94	10	-100
2.0	73.20	1476.22	1461.09	1447.34	10.24	9.87	8.95	-14.16	-30.37	-33.34	1.14	100	-122
3.0	73.10	1549.78	1534.29	1520.19	10.28	9.91	9.03	-13.95	-28.70	-33.39	1.23	1000	-142
4.0	73.40	1623.11	1607.39	1593.02	10.29	9.91	9.04	-13.73	-28.75	-33.02	1.30		
5.0	72.95	1696.06	1680.80	1666.63	10.24	9.77	8.90	-14.09	-28.24	-29.90	1.35		
6.0	71.79	1768.21	1753.75	1740.23	10.26	9.74	8.86	-14.32	-34.63	-30.65	1.40		
7.0	70.84	1839.63	1825.54	1812.51	10.17	9.67	8.78	-15.28	-37.41	-32.24	1.40		
8.0	69.90	1910.05	1896.38	1883.62	10.12	9.57	8.66	-15.78	-32.90	-33.54	1.42		
9.0	68.99	1979.58	1966.28	1953.82	9.99	9.41	8.57	-17.45	-33.96	-34.70	1.40		
10.0	67.51	2048.19	2035.27	2022.99	9.85	9.29	8.40	-18.23	-35.00	-33.82	1.35		
11.0	65.32	2115.47	2102.78	2090.53	9.64	9.04	8.28	-21.55	-35.55	-36.02	1.28		
12.0	62.10	2180.55	2168.10	2155.80	9.40	8.97	8.24	-21.10	-35.79	-36.70	1.21		
13.0	58.66	2242.52	2230.19	2218.09	9.42	9.03	8.18	-22.29	-33.22	-40.72	1.13		
14.0	54.66	2300.61	2288.85	2276.94	9.37	8.92	8.09	-21.68	-30.56	-40.00	1.08		
15.0	51.39	2355.25	2343.51	2331.75	9.25	8.82	8.07	-23.90	-33.85	-40.56	1.08		
16.0	47.95	2406.15	2394.89	2383.04	9.03	8.67	7.93	-21.77	-35.29	-42.67	1.13		
17.0	43.69	2454.23	2442.85	2430.48	8.80	8.50	7.82	-23.35	-36.28	-41.99	1.18		
18.0	41.26	2497.72	2486.54	2474.69	8.76	8.31	7.57	-23.26	-35.98	-44.52	1.16		
19.0	37.50	2539.09	2527.80	2515.71	8.51	8.08	7.46	-23.03	-34.58	-44.19	1.19		
20.0	35.30	2576.68	2565.30	2553.33	8.46	8.03	7.23	-23.74	-33.37	-45.92	1.17		
21.0	31.92	2611.93	2600.59	2588.40	8.13	7.70	7.15	-26.14	-31.98	-42.11	1.14		
22.0	29.45	2644.18	2632.52	2620.30	8.01	7.61	6.96	-29.08	-32.02	-42.23	1.10		
23.0	25.74	2673.25	2661.97	2649.51	7.78	7.41	6.86	-29.04	-30.19	-37.60	1.01		
24.0	25.74	2699.49	2687.70	2675.23	7.69	7.26	6.67	-31.44	-29.06	-37.73	0.92		