

Voltage Controlled Oscillator

ROS-ED12725/1

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			
0.0	121.58	1553.2	1533.3	1524.4	9.47	8.56	8.19	-11.2	-23.0	-36.7	1.28	1	-70
1.0	80.63	1641.0	1624.5	1617.2	8.63	7.94	7.61	-13.8	-24.6	-39.5	1.27	10	-95
2.0	74.95	1721.3	1705.7	1698.3	8.42	7.76	7.32	-17.0	-25.4	-44.7	1.09	100	-115
3.0	94.57	1810.0	1791.6	1782.9	8.10	7.62	7.24	-20.0	-28.1	-59.0	1.16	1000	-135
4.0	105.39	1908.6	1885.5	1875.1	8.08	7.63	7.25	-22.5	-33.0	-60.7	1.13		
5.0	106.57	2007.4	1984.6	1973.5	8.14	7.65	7.32	-20.3	-28.6	-56.8	0.72		
6.0	97.20	2103.1	2082.4	2071.9	8.45	7.88	7.42	-19.3	-31.3	-60.7	0.25		
7.0	83.42	2193.6	2175.1	2164.8	8.68	8.00	7.52	-17.9	-34.6	-58.5	0.01		
8.0	76.44	2279.7	2262.7	2251.8	8.88	7.96	7.31	-18.5	-37.6	-54.3	0.00		
9.0	84.56	2361.9	2342.5	2328.9	8.76	7.96	7.40	-20.2	-40.7	-52.3	0.06		
10.0	72.85	2434.5	2412.9	2400.0	8.42	7.92	7.44	-22.2	-44.2	-50.5	0.07		
11.0	61.95	2503.0	2484.3	2471.4	8.52	7.85	7.12	-21.7	-47.6	-49.4	0.10		
12.0	70.66	2570.1	2547.6	2531.4	8.21	7.70	7.24	-22.3	-51.2	-49.2	0.16		
13.0	51.31	2627.1	2607.1	2593.0	7.74	7.75	7.29	-22.0	-51.2	-48.6	0.26		
14.0	57.44	2687.7	2662.7	2644.3	8.45	8.39	7.74	-21.8	-56.7	-48.6	0.39		
15.0	39.46	2730.7	2708.6	2694.4	9.13	8.87	8.05	-22.3	-61.0	-49.1	0.14		
16.0	45.10	2773.5	2749.9	2734.4	9.05	8.68	8.03	-24.0	-55.1	-53.3	0.04		
17.0	39.19	2815.4	2793.8	2777.8	9.18	8.45	7.51	-26.0	-54.6	-56.7	0.12		
18.0	33.35	2851.8	2829.3	2814.6	8.25	8.23	7.46	-27.5	-54.6	-55.8	0.13		
19.0	38.36	2891.6	2864.9	2846.6	8.29	7.98	7.64	-29.2	-55.9	-58.2	0.15		
20.0	29.00	2923.4	2899.9	2881.6	8.44	7.81	6.82	-27.7	-56.1	-58.2	0.13		