

Voltage Controlled Oscillator

ROS-2082-119+

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	178.31	1643.4	1608.9	1590.2	5.65	5.58	4.97	-21.2	-31.7	-41.7	9.90	1	-70
0.25	157.26	1685.7	1653.4	1635.2	5.76	5.93	5.63	-20.1	-31.4	-40.1	9.74	10	-98
0.50	138.98	1722.9	1692.8	1675.6	5.82	5.97	5.76	-20.8	-32.9	-41.8	7.10	100	-120
0.75	132.47	1757.6	1727.5	1710.9	5.76	6.07	5.84	-22.2	-34.3	-43.2	5.25	1000	-140
1.00	124.63	1789.9	1760.6	1743.8	5.77	6.02	5.90	-23.1	-36.4	-43.3	3.94		
1.25	119.59	1820.7	1791.8	1775.4	5.89	6.07	5.87	-23.9	-37.5	-41.4	2.97		
1.50	117.81	1851.1	1821.7	1805.2	5.91	6.19	5.98	-25.3	-38.1	-39.1	2.19		
1.75	116.24	1880.9	1851.1	1834.3	5.92	6.24	6.10	-26.4	-37.9	-37.2	1.50		
2.00	112.49	1909.8	1880.2	1863.1	6.02	6.23	6.11	-26.7	-37.2	-34.8	0.95		
2.25	111.49	1938.3	1908.3	1891.3	6.04	6.32	6.13	-27.6	-39.1	-34.7	0.55		
2.50	110.96	1966.6	1936.2	1918.9	6.04	6.35	6.21	-27.1	-43.3	-34.2	0.29		
2.75	110.45	1994.8	1963.9	1946.4	6.07	6.36	6.23	-27.1	-45.5	-35.5	0.17		
3.00	106.67	2022.3	1991.5	1973.7	6.15	6.38	6.25	-26.4	-38.9	-35.8	0.22		
3.25	103.50	2049.4	2018.2	2000.5	6.21	6.46	6.28	-26.0	-35.2	-35.8	0.40		
3.50	99.66	2075.7	2044.1	2026.1	6.22	6.51	6.34	-25.9	-33.8	-36.1	0.61		
3.75	96.45	2101.3	2069.0	2050.9	6.21	6.52	6.38	-25.5	-33.5	-36.4	0.83		
4.00	89.46	2124.7	2093.1	2074.6	6.24	6.46	6.38	-25.2	-33.8	-37.6	1.07		
4.25	80.97	2146.7	2115.5	2097.3	6.26	6.46	6.33	-24.6	-33.4	-37.9	1.22		
4.50	75.23	2167.9	2135.7	2118.0	6.25	6.50	6.32	-24.5	-32.6	-39.1	1.14		
4.75	69.30	2186.9	2154.5	2136.5	6.27	6.51	6.35	-24.3	-31.6	-39.9	0.88		
5.00	59.58	2203.5	2171.8	2153.3	6.25	6.49	6.36	-24.2	-31.1	-40.3	0.43		
5.25	51.10	2218.0	2186.7	2168.5	6.24	6.49	6.33	-24.3	-30.7	-41.5	0.13		
5.50	43.24	2230.1	2199.5	2181.6	6.21	6.45	6.32	-24.5	-30.9	-40.6	0.77		
5.75	36.44	2240.3	2210.3	2192.7	6.18	6.45	6.30	-24.6	-31.0	-41.7	1.43		
6.00	30.28	2248.9	2219.4	2202.1	6.16	6.42	6.27	-24.4	-31.1	-41.1	2.02		
6.25	25.65	2256.1	2227.0	2210.0	6.12	6.38	6.26	-24.7	-31.1	-40.6	2.47		
6.50	22.06	2262.2	2233.4	2216.7	6.09	6.36	6.23	-25.0	-31.4	-41.5	2.89		
6.75	19.09	2267.4	2238.9	2222.4	6.06	6.34	6.20	-25.2	-31.6	-41.2	3.22		
7.00	19.09	2272.0	2243.7	2227.3	6.04	6.32	6.18	-25.1	-31.8	-40.1	3.45		

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