

Voltage Controlled Oscillator

ROS-EDR5589

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			
0.3	48.99	1908.1	1899.9	1892.7	2.29	1.62	1.01	-20.4	-37.1	-38.7	0.42	1	-70
0.5	46.45	1919.2	1911.6	1903.7	2.27	1.63	1.05	-21.2	-36.6	-39.0	0.50	10	-96
0.8	41.48	1929.8	1921.9	1914.3	2.21	1.66	1.09	-21.9	-36.5	-38.5	0.57	100	-116
1.0	40.03	1940.0	1931.9	1924.1	2.14	1.67	1.12	-22.1	-36.2	-38.4	0.60	1000	-136
1.3	39.02	1950.3	1941.7	1933.7	2.12	1.64	1.14	-22.9	-36.2	-38.9	0.66		
1.5	39.74	1960.4	1951.6	1943.0	2.14	1.64	1.19	-23.2	-35.5	-39.1	0.73		
1.8	39.05	1970.3	1961.4	1952.5	2.14	1.72	1.26	-23.4	-36.3	-38.9	0.75		
2.0	38.76	1980.2	1971.1	1962.1	2.11	1.78	1.34	-23.5	-35.9	-38.2	0.78		
2.3	38.56	1990.4	1980.7	1971.6	2.05	1.80	1.40	-23.3	-35.8	-38.0	0.81		
2.5	39.70	2000.8	1990.6	1981.2	2.08	1.78	1.44	-23.2	-36.0	-38.3	0.86		
2.8	41.07	2010.9	2000.9	1990.9	2.12	1.82	1.45	-23.2	-35.8	-37.9	0.88		
3.0	40.37	2021.2	2011.0	2001.0	2.16	1.87	1.50	-23.3	-36.2	-37.7	0.87		
3.3	40.76	2031.8	2021.2	2011.1	2.19	1.94	1.58	-23.1	-36.0	-37.3	0.87		
3.5	41.89	2042.4	2031.7	2021.3	2.29	1.99	1.67	-23.6	-36.7	-37.7	0.89		
3.8	42.28	2053.1	2042.2	2031.6	2.34	2.11	1.74	-23.6	-36.6	-37.5	0.86		
4.0	42.15	2063.9	2052.8	2042.3	2.40	2.21	1.81	-23.3	-37.1	-37.2	0.85		
4.3	42.94	2074.7	2063.5	2052.6	2.44	2.27	1.90	-23.5	-36.9	-36.6	0.81		
4.5	42.49	2085.6	2074.1	2063.3	2.52	2.32	2.00	-24.0	-37.3	-36.5	0.77		
4.8	43.51	2096.3	2085.0	2073.9	2.54	2.40	2.10	-24.0	-37.4	-36.4	0.73		
5.0	42.19	2106.8	2095.6	2084.6	2.55	2.48	2.16	-23.8	-37.4	-36.1	0.69		
5.3	41.62	2117.4	2106.0	2094.9	2.51	2.50	2.21	-24.2	-37.4	-35.9	0.64		
5.5	40.97	2128.3	2116.2	2105.2	2.55	2.51	2.26	-24.1	-37.3	-36.1	0.59		
5.8	42.94	2138.2	2126.9	2115.3	2.65	2.47	2.30	-24.0	-37.3	-36.3	0.65		
6.0	39.43	2148.3	2136.8	2125.4	2.69	2.61	2.27	-24.4	-37.2	-37.1	0.57		
6.3	38.78	2158.5	2146.5	2135.6	2.65	2.67	2.33	-25.1	-37.2	-37.0	0.57		
6.5	38.95	2168.5	2156.2	2144.8	2.65	2.70	2.45	-25.2	-37.1	-37.9	0.56		
6.8	39.39	2177.6	2166.1	2154.2	2.70	2.63	2.47	-25.2	-37.2	-38.1	0.61		
7.0	36.60	2186.6	2175.2	2163.5	2.66	2.69	2.45	-25.7	-37.2	-38.4	0.57		