

Voltage Controlled Oscillator

ROS-ED9633/1

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			
0.1	12.70	1908.1	1899.9	1896.1	2.90	3.44	3.31	-23.5	-19.0	-34.1	1.15	1	-82
0.3	11.63	1909.5	1901.3	1897.5	2.91	3.46	3.32	-23.3	-18.9	-34.2	1.18	10	-105
0.4	10.96	1910.8	1902.7	1898.8	2.91	3.40	3.37	-23.2	-18.8	-34.1	1.18	100	-125
0.5	10.34	1912.1	1904.0	1900.0	2.92	3.41	3.38	-23.2	-18.8	-34.0	1.15	1000	-145
0.6	9.70	1913.3	1905.2	1901.2	2.94	3.42	3.39	-23.1	-18.7	-33.6	1.20		
0.8	9.34	1914.4	1906.4	1902.3	2.95	3.43	3.40	-22.9	-18.5	-33.4	1.20		
0.9	9.14	1915.5	1907.5	1903.4	2.96	3.55	3.34	-22.9	-18.6	-33.9	1.20		
1.0	8.84	1916.6	1908.6	1904.4	2.98	3.55	3.34	-22.9	-18.6	-33.5	1.18		
1.1	8.55	1917.7	1909.7	1905.4	2.94	3.48	3.35	-22.8	-18.6	-33.9	1.18		
1.3	8.36	1918.7	1910.7	1906.4	2.95	3.58	3.36	-22.7	-18.7	-34.1	1.20		
1.4	8.26	1919.7	1911.8	1907.4	2.96	3.59	3.37	-22.6	-18.5	-34.0	1.20		
1.5	8.06	1920.7	1912.8	1908.3	2.97	3.61	3.48	-22.5	-18.7	-34.2	1.20		
1.6	7.79	1921.7	1913.8	1909.2	2.98	3.62	3.49	-22.6	-18.7	-34.3	1.20		
1.8	7.87	1922.7	1914.7	1910.1	3.02	3.63	3.50	-22.3	-18.7	-34.1	1.20		
1.9	7.87	1923.6	1915.7	1911.0	3.04	3.64	3.51	-22.5	-18.7	-33.5	1.20		
2.0	7.68	1924.6	1916.7	1911.9	3.05	3.66	3.51	-22.2	-18.6	-33.9	1.20		
2.1	7.60	1925.5	1917.6	1912.8	3.06	3.62	3.53	-22.2	-18.7	-34.0	1.20		
2.3	7.55	1926.5	1918.6	1913.7	3.07	3.63	3.54	-22.0	-18.6	-34.4	1.20		
2.4	7.49	1927.4	1919.5	1914.6	3.08	3.64	3.55	-22.0	-18.6	-34.1	1.20		
2.5	7.38	1928.4	1920.4	1915.5	3.07	3.65	3.56	-22.0	-18.5	-34.4	1.20		
2.6	7.49	1929.3	1921.4	1916.3	3.08	3.67	3.57	-21.9	-18.5	-34.3	1.20		
2.8	7.49	1930.2	1922.3	1917.2	3.09	3.68	3.58	-21.7	-18.5	-34.2	1.20		
2.9	7.30	1931.2	1923.2	1918.1	3.10	3.72	3.53	-21.7	-18.4	-34.1	1.20		
3.0	7.49	1932.1	1924.2	1919.0	3.11	3.73	3.55	-21.6	-18.4	-34.2	1.20		
3.1	7.30	1933.0	1925.1	1919.8	3.00	3.74	3.56	-21.5	-18.3	-34.1	1.20		
3.3	7.46	1933.9	1926.0	1920.7	3.01	3.76	3.57	-21.5	-18.2	-34.1	1.20		
3.4	7.49	1934.9	1926.9	1921.6	3.02	3.77	3.58	-21.5	-18.3	-34.2	1.20		
3.5	7.57	1935.8	1927.9	1922.5	3.03	3.75	3.59	-21.4	-18.3	-33.7	1.20		
3.6	7.49	1936.7	1928.8	1923.4	3.04	3.77	3.62	-21.2	-18.3	-34.2	1.17		
3.8	7.38	1937.7	1929.7	1924.3	3.08	3.78	3.64	-21.2	-18.3	-34.0	1.17		
3.9	7.68	1938.6	1930.7	1925.2	3.09	3.80	3.65	-21.2	-18.3	-33.9	1.17		
4.0	7.57	1939.6	1931.6	1926.1	3.11	3.81	3.66	-21.2	-18.2	-34.3	1.20		
4.1	7.68	1940.6	1932.6	1927.0	3.12	3.70	3.68	-21.1	-18.3	-34.1	1.20		
4.3	7.72	1941.5	1933.6	1927.9	3.13	3.71	3.66	-21.0	-18.3	-34.1	1.15		
4.4	7.57	1942.5	1934.5	1928.9	3.10	3.72	3.67	-20.8	-18.4	-34.3	1.15		
4.5	7.95	1943.5	1935.5	1929.8	3.11	3.74	3.69	-20.8	-18.5	-34.4	1.20		
4.6	7.96	1944.5	1936.5	1930.8	3.12	3.76	3.70	-20.8	-18.5	-34.2	1.15		
4.8	7.95	1945.5	1937.5	1931.7	3.14	3.77	3.72	-20.7	-18.7	-34.4	1.17		
4.9	8.06	1946.5	1938.5	1932.7	3.16	3.81	3.61	-20.6	-18.9	-34.1	1.17		
5.0	8.15	1947.6	1939.5	1933.7	3.11	3.82	3.62	-20.4	-18.9	-34.1	1.17		