

Voltage Controlled Oscillator

ROS-EDR9774

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	22.09	1858.3	1853.0	1849.0	2.70	3.37	3.22	-51.0	-40.2	-18.6	0.09	1	-87
0.25	20.18	1863.5	1858.5	1854.8	2.77	3.44	3.30	-51.1	-40.2	-19.5	0.02	10	-116
0.50	19.04	1868.4	1863.6	1859.9	2.81	3.49	3.38	-49.0	-39.8	-20.9	0.01	100	-135
0.75	18.29	1873.1	1868.3	1864.8	2.86	3.55	3.45	-48.0	-39.4	-21.6	0.02	1000	-155
1.00	17.79	1877.6	1872.9	1869.4	2.90	3.61	3.52	-46.9	-39.3	-22.4	0.03		
1.25	17.45	1882.0	1877.4	1873.9	2.95	3.66	3.59	-45.4	-39.2	-23.6	0.03		
1.50	17.22	1886.4	1881.7	1878.2	3.01	3.72	3.67	-45.6	-39.1	-25.1	0.03		
1.75	17.07	1890.7	1886.0	1882.6	3.08	3.78	3.76	-43.5	-38.9	-26.6	0.01		
2.00	16.99	1895.0	1890.3	1886.8	3.15	3.84	3.84	-42.4	-38.6	-27.5	0.00		
2.25	16.97	1899.2	1894.5	1891.0	3.22	3.91	3.92	-41.3	-38.7	-27.0	0.01		
2.50	16.98	1903.5	1898.8	1895.2	3.31	3.98	3.99	-40.7	-38.9	-25.6	0.02		
2.75	17.01	1907.7	1903.0	1899.5	3.41	4.06	4.07	-40.4	-38.9	-25.4	0.04		
3.00	17.05	1912.0	1907.3	1903.7	3.53	4.15	4.15	-40.3	-38.9	-26.3	0.06		
3.25	17.14	1916.3	1911.5	1908.0	3.67	4.24	4.23	-38.9	-38.5	-23.9	0.08		
3.50	17.24	1920.6	1915.8	1912.1	3.80	4.34	4.33	-39.0	-38.4	-20.7	0.10		
3.75	17.28	1925.0	1920.1	1916.4	3.89	4.47	4.43	-37.4	-38.6	-19.4	0.12		
4.00	17.30	1929.3	1924.5	1920.8	4.00	4.61	4.53	-37.5	-39.0	-19.4	0.16		
4.25	17.39	1933.7	1928.8	1925.1	4.11	4.74	4.66	-36.2	-39.2	-20.1	0.19		
4.50	17.53	1938.0	1933.1	1929.4	4.18	4.84	4.78	-36.3	-39.3	-21.1	0.23		
4.75	17.65	1942.4	1937.5	1933.8	4.27	4.93	4.87	-35.4	-39.4	-22.5	0.26		
5.00	17.77	1946.9	1941.9	1938.2	4.36	5.02	4.96	-35.4	-39.5	-22.9	0.29		
5.25	17.85	1951.4	1946.4	1942.6	4.45	5.12	5.07	-34.4	-39.6	-21.7	0.32		
5.50	17.94	1955.9	1950.8	1947.0	4.53	5.22	5.15	-34.0	-39.8	-21.4	0.34		
5.75	18.09	1960.4	1955.3	1951.5	4.61	5.31	5.22	-33.9	-39.9	-21.9	0.36		
6.00	18.26	1965.0	1959.8	1956.1	4.70	5.38	5.28	-34.0	-40.4	-23.1	0.38		
6.25	18.39	1969.6	1964.4	1960.6	4.79	5.44	5.33	-34.7	-40.2	-24.2	0.39		
6.50	18.52	1974.2	1969.0	1965.1	4.87	5.49	5.36	-34.2	-40.4	-24.1	0.40		
6.75	18.62	1978.9	1973.6	1969.7	4.95	5.53	5.37	-33.8	-40.5	-23.4	0.40		
7.00	18.62	1983.6	1978.3	1974.3	5.01	5.56	5.38	-33.4	-40.7	-23.9	0.41		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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