

Voltage Controlled Oscillator

ROS-1850-819+

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	21.74	1827.0	1821.6	1814.4	4.87	4.80	4.71	-20.5	-36.9	-37.6	0.32	1	-84
0.25	20.04	1832.3	1827.1	1819.9	4.90	4.85	4.77	-20.0	-37.0	-36.8	0.34	10	-109
0.50	19.14	1837.3	1832.1	1825.0	4.94	4.89	4.84	-19.4	-37.1	-35.8	0.35	100	-130
0.75	18.67	1842.2	1836.9	1829.7	4.99	4.93	4.87	-18.9	-37.5	-35.9	0.36	1000	-150
1.00	18.47	1846.9	1841.5	1834.3	5.05	4.97	4.90	-18.3	-37.8	-35.6	0.37		
1.25	18.44	1851.6	1846.2	1838.8	5.10	5.03	4.94	-17.9	-38.2	-35.7	0.38		
1.50	18.58	1856.3	1850.8	1843.4	5.14	5.08	4.98	-17.5	-38.3	-36.1	0.39		
1.75	18.81	1861.0	1855.4	1847.9	5.19	5.11	5.03	-17.1	-38.2	-36.3	0.40		
2.00	19.10	1865.8	1860.1	1852.5	5.23	5.14	5.06	-16.7	-38.1	-35.4	0.41		
2.25	19.45	1870.6	1864.9	1857.2	5.28	5.18	5.08	-16.3	-37.6	-34.8	0.41		
2.50	19.82	1875.6	1869.8	1862.0	5.32	5.21	5.10	-15.8	-37.4	-35.0	0.43		
2.75	20.23	1880.6	1874.7	1866.8	5.36	5.24	5.12	-15.5	-37.0	-34.3	0.43		
3.00	20.65	1885.7	1879.8	1871.8	5.38	5.26	5.13	-15.2	-36.3	-34.5	0.44		
3.25	21.08	1891.0	1884.9	1876.9	5.37	5.26	5.13	-14.8	-35.7	-34.9	0.44		
3.50	21.46	1896.3	1890.2	1882.1	5.33	5.23	5.12	-14.5	-35.0	-34.0	0.44		
3.75	21.80	1901.6	1895.6	1887.4	5.28	5.17	5.08	-14.4	-34.1	-33.4	0.44		
4.00	22.17	1907.1	1901.0	1892.8	5.22	5.08	5.02	-14.3	-33.1	-33.7	0.44		
4.25	22.49	1912.6	1906.6	1898.3	5.12	5.01	4.94	-14.2	-32.5	-32.3	0.43		
4.50	22.49	1918.3	1912.2	1903.8	4.99	4.90	4.87	-14.1	-32.0	-30.9	0.42		

REV. X1
 ROS-1850-819+
 071210
 Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant
 P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

