

Voltage Controlled Oscillator

ROS-1900+

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			
1.0	32.84	1441.1	1433.4	1427.1	8.57	8.01	7.28	-11.8	-21.0	-27.3	0.59	1	-80
2.0	25.83	1466.5	1459.2	1453.2	8.16	7.70	6.94	-12.7	-20.7	-26.3	0.62	10	-106
3.0	23.84	1490.3	1483.0	1477.1	7.72	7.34	6.66	-13.5	-20.0	-25.8	0.66	100	-126
4.0	23.60	1514.0	1506.6	1500.7	7.58	7.09	6.50	-14.2	-19.5	-25.3	0.67	1000	-146
5.0	24.36	1538.5	1531.0	1524.9	7.69	7.24	6.54	-15.3	-19.0	-24.8	0.66		
6.0	25.98	1564.7	1557.0	1550.7	7.58	7.19	6.65	-16.5	-18.5	-24.3	0.70		
7.0	28.10	1593.1	1585.1	1578.6	7.35	7.05	6.64	-17.7	-17.5	-24.0	0.73		
8.0	30.78	1624.2	1615.9	1609.2	6.96	6.96	6.52	-19.0	-16.5	-23.5	0.73		
9.0	33.25	1657.8	1649.1	1642.2	6.37	6.46	6.14	-21.3	-15.5	-22.7	0.66		
10.0	34.89	1692.9	1684.0	1677.0	6.40	6.34	6.00	-23.7	-14.5	-22.3	0.46		
11.0	34.83	1728.0	1718.8	1711.9	6.56	6.56	6.16	-25.2	-14.3	-22.8	0.23		
12.0	33.94	1761.9	1752.8	1746.0	6.52	6.51	6.18	-23.3	-16.0	-26.5	0.03		
13.0	32.95	1794.6	1785.7	1778.8	6.08	6.34	6.00	-20.7	-20.2	-33.8	0.01		
14.0	30.80	1825.8	1816.5	1809.2	5.74	5.91	5.70	-19.3	-22.7	-39.7	0.09		
15.0	28.22	1854.4	1844.7	1837.2	5.94	6.04	5.70	-18.3	-21.5	-39.3	0.17		
16.0	25.99	1880.6	1870.7	1863.0	6.13	6.12	5.84	-17.3	-20.2	-38.0	0.23		
17.0	24.02	1904.7	1894.7	1886.9	6.36	6.30	5.87	-16.5	-19.2	-36.7	0.32		
18.0	22.41	1927.2	1917.2	1909.2	6.63	6.51	6.15	-16.2	-18.7	-34.7	0.35		
19.0	20.93	1948.2	1938.1	1930.1	6.58	6.76	6.37	-15.5	-18.3	-33.2	0.40		
20.0	19.74	1967.9	1957.8	1949.7	6.32	6.55	6.36	-14.8	-17.8	-32.0	0.46		



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