

Voltage Controlled Oscillator

ROS-1500C-219+

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	48.79	1389.5	1384.7	1379.8	4.13	4.30	4.35	-18.3	-28.0	-38.1	1.71	1	-80
0.25	45.65	1401.5	1396.9	1392.3	4.12	4.33	4.42	-19.0	-27.5	-37.4	1.39	10	-109
0.50	43.93	1412.8	1408.3	1403.9	4.12	4.34	4.45	-19.8	-27.3	-36.3	1.21	100	-132
0.75	42.87	1423.7	1419.3	1414.9	4.09	4.34	4.47	-21.0	-26.9	-35.9	1.08	1000	-151
1.00	42.16	1434.4	1430.0	1425.6	4.10	4.35	4.47	-22.0	-26.5	-35.5	0.99		
1.25	41.73	1444.9	1440.6	1436.2	4.12	4.37	4.51	-23.1	-26.4	-34.4	0.94		
1.50	41.35	1455.4	1451.0	1446.6	4.14	4.40	4.54	-24.2	-26.3	-34.5	0.91		
1.75	40.91	1465.7	1461.3	1456.9	4.16	4.43	4.57	-25.4	-25.9	-34.2	0.91		
2.00	40.27	1476.0	1471.6	1467.1	4.21	4.47	4.61	-26.6	-25.8	-34.2	0.94		
2.25	39.42	1486.1	1481.6	1477.1	4.24	4.50	4.66	-27.5	-25.7	-34.1	1.01		
2.50	38.28	1496.0	1491.5	1487.0	4.29	4.55	4.69	-28.3	-25.9	-34.2	1.11		
2.75	36.78	1505.5	1501.1	1496.6	4.33	4.60	4.75	-29.4	-25.6	-34.2	1.24		
3.00	34.87	1514.7	1510.2	1505.8	4.37	4.63	4.79	-30.2	-25.7	-34.0	1.37		
3.25	32.69	1523.4	1519.0	1514.5	4.42	4.68	4.82	-31.0	-25.8	-34.1	1.49		
3.50	30.31	1531.5	1527.1	1522.8	4.46	4.72	4.86	-31.3	-25.9	-33.7	1.58		
3.75	27.82	1539.0	1534.7	1530.4	4.51	4.76	4.89	-31.8	-25.6	-34.3	1.62		
4.00	25.34	1545.9	1541.7	1537.4	4.55	4.80	4.93	-31.8	-25.7	-34.0	1.60		
4.25	22.90	1552.2	1548.0	1543.8	4.60	4.84	4.96	-31.8	-25.7	-34.1	1.52		
4.50	20.55	1557.9	1553.7	1549.6	4.64	4.88	4.99	-31.9	-25.8	-34.9	1.40		
4.75	18.37	1563.0	1558.9	1554.7	4.67	4.91	5.02	-32.0	-26.1	-35.2	1.23		
5.00	16.41	1567.5	1563.5	1559.4	4.70	4.94	5.05	-32.0	-26.2	-34.6	1.05		
5.25	14.64	1571.6	1567.6	1563.5	4.72	4.96	5.07	-32.1	-26.1	-34.8	0.87		
5.50	13.09	1575.3	1571.2	1567.2	4.73	4.97	5.09	-32.1	-25.9	-35.1	0.69		
5.75	11.74	1578.5	1574.5	1570.5	4.75	4.98	5.10	-32.1	-25.3	-35.7	0.54		
6.00	10.57	1581.4	1577.4	1573.4	4.77	5.00	5.10	-32.1	-26.0	-36.5	0.40		
6.25	9.63	1584.0	1580.1	1576.1	4.79	5.01	5.11	-31.9	-26.0	-35.9	0.28		
6.50	8.79	1586.4	1582.5	1578.5	4.80	5.03	5.13	-31.7	-26.0	-35.2	0.18		
6.75	8.07	1588.6	1584.7	1580.7	4.81	5.04	5.14	-31.6	-25.9	-35.2	0.09		
7.00	8.07	1590.6	1586.7	1582.7	4.82	5.05	5.15	-31.5	-25.9	-35.5	0.02		

REV. X1
ROS-1500C-219+
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Page 1 of 1



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