

Voltage Controlled Oscillator

ROS-1500+

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	42.02	990.2	982.5	972.7	9.95	10.11	9.92	-10.3	-31.2	-28.2	1.15	1	-79
2.0	31.87	1021.6	1014.4	1005.3	9.99	10.19	9.81	-10.0	-29.0	-27.3	1.19	10	-104
3.0	29.16	1050.6	1043.5	1034.7	10.16	10.31	9.90	-9.8	-27.0	-25.7	1.22	100	-124
4.0	28.12	1078.6	1071.6	1063.0	9.71	9.82	9.80	-9.8	-24.3	-23.5	1.27	1000	-144
5.0	27.57	1106.1	1099.2	1090.9	9.35	9.53	9.30	-9.7	-22.5	-23.3	1.32		
6.0	28.79	1135.0	1128.0	1119.7	8.88	9.04	8.85	-9.8	-22.3	-24.7	1.33		
7.0	30.94	1166.0	1158.9	1150.6	8.68	8.67	8.36	-9.8	-21.3	-24.2	1.33		
8.0	33.02	1199.2	1192.0	1183.5	8.77	8.78	8.41	-10.7	-20.3	-23.2	1.36		
9.0	35.74	1235.3	1227.7	1219.0	8.41	8.56	8.47	-12.2	-19.3	-22.0	1.38		
10.0	38.43	1273.9	1266.1	1257.2	7.86	8.05	7.92	-13.2	-17.8	-20.5	1.34		
11.0	39.35	1313.6	1305.5	1296.4	7.25	7.45	7.46	-14.8	-16.7	-19.0	1.22		
12.0	39.09	1353.1	1344.6	1335.2	7.22	7.30	7.24	-17.2	-15.8	-17.5	1.04		
13.0	36.92	1390.1	1381.5	1372.1	7.43	7.53	7.41	-20.2	-14.2	-16.3	0.84		
14.0	33.72	1424.0	1415.2	1405.8	7.17	7.43	7.26	-23.0	-13.0	-15.7	0.61		
15.0	30.83	1454.5	1446.1	1437.2	6.77	7.00	6.96	-21.2	-12.0	-17.0	0.37		
16.0	30.53	1483.7	1476.6	1468.1	6.20	6.58	6.62	-17.8	-13.5	-22.5	0.20		
17.0	29.56	1515.2	1506.1	1496.3	6.40	6.58	6.92	-16.0	-16.7	-31.8	0.94		
18.0	25.93	1542.2	1532.1	1521.5	7.09	7.11	6.88	-15.5	-18.2	-30.2	2.01		
19.0	23.12	1565.5	1555.2	1544.4	7.37	7.33	7.26	-14.5	-18.2	-27.7	2.01		
20.0	21.03	1586.3	1576.2	1565.5	7.34	7.52	7.37	-13.8	-17.5	-25.8	2.10		

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