

Voltage Controlled Oscillator

ROS-EDR4920

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			
0.5	86.53	752.0	736.9	725.4	7.62	8.49	7.96	-22.3	-25.2	-55.8	0.51	1	-74
1.0	80.38	791.7	777.1	765.3	7.99	8.74	8.23	-22.8	-26.6	-58.0	0.00	10	-98
1.5	87.81	835.0	821.0	806.4	7.67	8.53	7.93	-21.4	-29.4	-59.0	0.77	100	-118
2.0	89.22	882.2	865.6	851.3	7.09	8.52	7.22	-20.3	-33.9	-59.8	0.51	1000	-143
2.5	94.08	931.8	912.6	900.0	6.83	7.71	6.55	-18.9	-37.4	-55.9	0.45		
3.0	101.38	981.5	963.3	950.0	6.76	7.49	6.38	-18.1	-41.0	-55.3	0.90		
3.5	100.48	1031.0	1013.6	1000.0	6.52	7.21	6.28	-16.2	-43.9	-55.7	0.26		
4.0	101.25	1080.3	1064.2	1050.6	6.33	7.45	6.17	-15.7	-48.3	-55.9	0.96		
4.5	93.44	1128.8	1110.9	1100.4	6.21	7.19	5.99	-15.1	-50.6	-55.7	0.38		
5.0	95.74	1174.7	1158.8	1147.2	6.07	6.49	6.09	-15.0	-49.9	-54.7	0.83		
5.5	90.62	1218.9	1204.1	1191.2	5.89	6.41	6.15	-15.4	-45.2	-53.7	0.58		
6.0	86.02	1262.5	1247.1	1233.2	5.57	6.21	6.01	-17.3	-42.2	-52.3	0.70		
6.5	81.41	1304.3	1287.8	1274.0	5.49	6.57	5.98	-17.9	-40.8	-51.0	1.15		
7.0	74.11	1343.6	1324.9	1312.8	5.99	6.80	6.06	-19.2	-39.9	-49.9	0.45		
7.5	74.11	1378.9	1361.9	1348.0	6.29	6.71	6.46	-20.7	-39.8	-50.1	1.09		
8.0	68.74	1411.6	1396.3	1380.9	6.45	6.99	6.63	-22.3	-40.3	-51.3	1.09		
8.5	62.21	1443.8	1427.4	1412.3	6.56	7.33	6.66	-24.2	-41.3	-50.8	0.19		
9.0	60.16	1475.4	1457.5	1442.9	6.55	7.52	6.67	-26.3	-42.2	-50.4	0.45		
9.5	57.22	1505.3	1486.1	1473.0	6.72	7.71	6.56	-27.6	-42.6	-52.7	0.77		
10.0	53.89	1534.3	1513.0	1501.4	6.84	7.84	6.63	-29.6	-43.5	-53.0	0.19		
10.5	54.91	1560.4	1540.5	1528.9	7.19	7.79	6.56	-30.2	-43.6	-52.6	-0.19		
11.0	56.58	1586.1	1568.8	1554.3	7.32	7.65	6.71	-32.2	-44.0	-53.3	0.19		
11.5	52.48	1610.6	1595.0	1579.7	7.33	7.71	6.83	-33.2	-44.0	-50.5	0.32		
12.0	47.62	1635.3	1618.8	1604.2	7.23	7.82	6.74	-35.7	-45.3	-49.0	-0.06		
12.5	46.21	1660.0	1641.9	1629.0	7.09	7.89	6.67	-36.6	-45.1	-47.5	-0.19		
13.0	46.59	1684.0	1665.2	1653.9	6.92	7.78	6.56	-37.0	-46.9	-42.7	-0.06		
13.5	47.62	1707.5	1689.0	1677.8	6.78	7.53	6.40	-37.7	-45.8	-40.4	0.26		
14.0	46.85	1729.9	1712.4	1701.2	6.63	7.31	6.27	-38.2	-47.0	-37.4	0.26		
14.5	46.85	1751.4	1735.9	1723.5	6.46	6.97	6.11	-38.7	-46.8	-37.8	0.26		
15.0	44.54	1772.3	1758.1	1744.8	6.21	6.73	5.93	-39.2	-47.6	-39.9	0.19		