

Voltage Controlled Oscillator

ROS-EDR5040

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	24.20	1316.6	1311.5	1308.6	6.80	6.67	6.12	-30.4	-29.9	-41.6	0.62	1	-81
1.0	22.20	1327.5	1322.7	1319.6	6.91	6.76	6.25	-30.3	-30.3	-41.0	0.67	10	-103
1.5	21.90	1338.5	1333.6	1330.2	6.96	6.84	6.39	-29.7	-30.6	-40.7	0.71	100	-123
2.0	22.40	1349.9	1344.8	1341.0	6.91	6.85	6.50	-30.0	-31.0	-40.8	0.73	1000	-142
2.5	23.00	1361.7	1356.3	1352.5	6.80	6.87	6.53	-29.8	-31.4	-41.2	0.74		
3.0	23.90	1373.8	1368.3	1364.2	6.71	6.82	6.52	-29.6	-31.2	-41.1	0.74		
3.5	24.50	1386.2	1380.5	1375.9	6.57	6.72	6.53	-29.6	-31.1	-40.7	0.71		
4.0	24.60	1398.9	1392.8	1387.7	6.35	6.59	6.50	-29.2	-31.1	-40.8	0.67		
4.5	24.40	1411.5	1405.0	1399.7	6.14	6.47	6.39	-29.0	-30.9	-41.4	0.63		
5.0	23.00	1423.3	1416.5	1411.5	5.98	6.39	6.26	-29.0	-31.3	-40.6	0.62		
5.5	22.80	1434.6	1427.9	1422.5	5.85	6.26	6.18	-28.9	-31.8	-40.4	0.58		
6.0	21.60	1445.5	1438.7	1432.8	5.66	6.11	6.12	-28.7	-31.7	-41.2	0.58		
6.5	21.00	1456.5	1449.2	1442.8	5.41	5.95	6.01	-28.8	-32.2	-40.8	0.57		
7.0	20.40	1467.1	1459.4	1452.7	5.19	5.78	5.85	-28.6	-31.9	-40.2	0.56		
7.5	18.40	1477.2	1468.6	1462.5	4.99	5.70	5.66	-28.9	-32.7	-39.3	0.55		
8.0	18.70	1486.8	1477.9	1471.9	4.81	5.53	5.49	-28.5	-32.6	-39.7	0.58		
8.5	17.90	1496.1	1486.9	1480.8	4.63	5.39	5.34	-28.0	-32.8	-40.2	0.58		
9.0	17.70	1505.2	1495.7	1489.4	4.46	5.20	5.20	-28.1	-32.2	-39.0	0.62		
9.5	17.20	1513.8	1504.3	1497.7	4.31	5.02	5.05	-28.1	-33.0	-39.5	0.62		
10.0	16.40	1522.0	1512.5	1505.9	4.20	4.87	4.90	-27.8	-33.2	-39.3	0.58		
10.5	14.10	1529.8	1519.6	1513.7	4.10	4.84	4.78	-27.5	-33.3	-39.1	0.61		
11.0	15.60	1537.2	1527.4	1521.1	3.99	4.67	4.69	-27.2	-31.1	-38.8	0.70		
11.5	15.30	1544.4	1535.0	1528.0	3.86	4.52	4.60	-27.0	-31.0	-37.7	0.68		
12.0	14.90	1551.6	1542.5	1534.6	3.72	4.34	4.52	-26.7	-29.0	-37.6	0.73		