

Voltage Controlled Oscillator

ROS-EDR6145

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			
0.3	250.19	1090.5	1058.2	1043.9	1.38	1.96	1.89	-15.3	-24.4	-29.6	-2.18	1	-68
0.6	222.76	1155.0	1125.0	1110.9	1.97	2.45	2.33	-13.4	-27.2	-29.1	-1.56	10	-93
0.9	202.64	1214.3	1185.8	1172.2	2.32	2.84	2.81	-12.3	-28.9	-27.5	-1.33	100	-114
1.2	193.23	1271.8	1243.8	1231.0	2.75	3.29	3.18	-11.4	-25.8	-25.4	-0.98	1000	-134
1.5	184.89	1326.0	1299.2	1286.0	3.05	3.56	3.51	-10.6	-23.4	-24.2	-0.72		
1.8	173.74	1377.8	1351.4	1338.8	3.13	3.75	3.73	-10.4	-22.0	-26.1	-0.49		
2.1	171.15	1429.2	1402.7	1390.0	3.22	3.74	3.68	-10.0	-21.2	-28.2	-0.43		
2.4	168.28	1480.0	1453.2	1440.1	3.11	3.78	3.69	-9.9	-19.8	-25.6	-0.50		
2.7	167.32	1530.1	1503.4	1490.1	2.91	3.55	3.48	-9.8	-18.2	-24.2	-0.95		
3.0	161.45	1579.7	1551.8	1538.4	2.44	3.30	3.29	-10.0	-17.0	-23.8	-1.98		
3.3	162.22	1630.1	1600.5	1586.1	2.07	2.81	2.87	-10.7	-15.5	-22.7	-3.50		
3.6	157.04	1678.3	1647.6	1633.0	1.97	2.70	2.66	-11.5	-14.6	-21.7	-5.43		
3.9	140.77	1719.9	1689.8	1675.8	1.86	2.67	2.61	-12.4	-14.1	-21.7	-7.31		
4.2	119.60	1755.7	1725.7	1711.8	1.78	2.65	2.61	-14.6	-14.0	-22.1	-9.00		
4.5	102.38	1786.6	1756.4	1742.3	1.72	2.61	2.64	-14.8	-13.8	-22.9	-10.86		
4.8	87.10	1813.3	1782.5	1768.8	1.74	2.57	2.61	-15.0	-14.6	-25.3	-12.29		
5.1	74.70	1836.6	1805.0	1791.4	1.90	2.59	2.60	-15.1	-15.8	-26.5	-12.84		
5.4	63.80	1856.1	1824.1	1810.8	2.15	2.66	2.63	-15.5	-17.4	-26.6	-13.13		
5.7	54.72	1872.5	1840.5	1827.8	2.39	2.74	2.65	-15.9	-18.9	-25.9	-12.72		
6.0	47.54	1886.3	1854.8	1842.6	2.62	2.79	2.68	-15.9	-20.2	-25.4	-12.68		