

Voltage Controlled Oscillator

ROS-ED7820A/2

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	63.66	1459.7	1441.8	1424.8	-0.43	0.47	0.45	-14.7	-24.7	-30.3	1.36	1	-75
0.5	55.87	1473.0	1455.8	1439.6	-0.60	0.32	0.23	-14.5	-24.5	-30.2	1.73	10	-100
0.8	51.30	1485.3	1468.6	1453.0	-0.78	0.07	0.07	-14.7	-24.2	-30.3	2.06	100	-120
1.0	47.64	1496.9	1480.5	1465.3	-0.63	-0.13	-0.12	-14.8	-24.0	-30.2	2.33	1000	-140
1.3	45.68	1508.0	1491.9	1477.1	-0.91	-0.30	-0.29	-14.7	-23.8	-30.2	2.55		
1.5	44.21	1518.8	1503.0	1488.4	-0.98	-0.38	-0.57	-14.7	-23.8	-30.3	2.70		
1.8	43.11	1529.4	1513.8	1499.4	-0.93	-0.39	-0.57	-14.7	-23.8	-30.2	2.76		
2.0	42.38	1539.9	1524.4	1510.2	-0.95	-0.33	-0.62	-14.7	-23.5	-30.3	2.79		
2.3	41.73	1550.2	1534.8	1520.8	-0.99	-0.31	-0.71	-14.7	-23.5	-30.3	2.79		
2.5	41.23	1560.4	1545.1	1531.3	-1.21	-0.32	-0.67	-14.5	-23.3	-30.5	2.85		
2.8	41.57	1570.7	1555.5	1541.8	-1.16	-0.47	-0.68	-14.7	-23.5	-30.7	2.88		
3.0	41.47	1581.0	1565.9	1552.3	-1.22	-0.48	-0.74	-14.5	-23.2	-30.7	2.91		
3.3	41.53	1591.3	1576.2	1562.8	-1.35	-0.57	-0.78	-14.5	-23.2	-31.0	2.91		
3.5	41.80	1601.8	1586.7	1573.3	-1.58	-0.82	-0.90	-14.5	-23.2	-31.7	2.79		
3.8	41.62	1612.3	1597.1	1583.7	-1.68	-0.83	-1.18	-14.3	-23.2	-31.8	2.61		
4.0	41.30	1622.7	1607.4	1594.1	-1.93	-1.03	-1.24	-14.2	-23.0	-31.5	2.21		
4.3	40.49	1632.9	1617.5	1604.3	-2.16	-1.24	-1.37	-14.2	-23.0	-32.3	1.70		
4.5	39.99	1643.0	1627.5	1614.3	-2.46	-1.47	-1.53	-14.2	-23.0	-32.8	1.12		
4.8	38.63	1652.8	1637.2	1624.0	-2.59	-1.64	-1.74	-14.2	-23.0	-32.8	0.49		
5.0	36.94	1662.1	1646.4	1633.4	-2.87	-1.94	-1.97	-14.3	-23.0	-33.7	0.15		