

Voltage Controlled Oscillator

ROS-ED6825/1

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	66.10	1477.8	1465.5	1453.4	4.30	6.12	6.91	-26.7	-48.2	-45.7	0.50	1	-80
0.5	56.30	1491.3	1479.6	1468.2	4.38	6.07	7.07	-26.4	-47.4	-44.9		10	-104
0.8	50.70	1503.5	1492.3	1481.1	4.24	6.15	7.01	-25.5	-45.7	-44.4		100	-125
1.0	46.80	1503.5	1504.0	1493.0	4.34	6.02	7.09	-25.2	-44.4	-44.1		1000	-140
1.3	43.80	1525.6	1514.9	1504.0	4.63	6.13	6.97	-25.0	-42.7	-44.2			
1.5	41.50	1535.9	1525.3	1514.4	4.86	6.40	7.05	-25.2	-41.2	-42.8	0.06		
1.8	39.80	1545.8	1535.2	1524.3	4.99	6.64	7.15	-25.3	-39.9	-43.1			
2.0	38.50	1555.4	1544.9	1533.8	5.15	6.71	7.42	-25.2	-37.3	-41.3			
2.3	37.30	1564.7	1554.2	1543.0	5.15	6.80	7.61	-25.2	-36.5	-40.7			
2.5	36.50	1573.8	1563.3	1552.1	5.13	6.96	7.69	-25.2	-36.2	-40.5			
2.8	35.40	1582.7	1572.2	1560.8	5.10	6.93	7.86	-25.2	-35.9	-39.6	0.06		
3.0	34.50	1591.4	1580.8	1569.3	5.43	6.91	7.78	-25.6	-35.1	-39.1			
3.3	33.90	1599.8	1589.3	1577.7	5.55	7.20	7.76	-25.7	-34.7	-38.2			
3.5	33.10	1608.2	1597.5	1585.8	5.59	7.32	8.00	-25.8	-34.3	-38.1			
3.8	32.50	1616.4	1605.7	1593.7	5.56	7.36	8.09	-26.1	-33.4	-37.9			
4.0	31.60	1624.4	1613.6	1601.5	5.63	7.47	8.21	-26.2	-33.2	-37.0	0.68		
4.3	30.50	1632.2	1621.2	1609.0	5.61	7.49	8.24	-27.3	-33.5	-36.5			
4.5	29.20	1639.7	1628.5	1616.2	5.50	7.48	8.24	-28.9	-33.2	-36.2			
4.8	28.30	1647.0	1635.6	1623.1	5.46	7.41	8.31	-28.3	-33.6	-35.8			
5.0	27.20	1653.9	1642.3	1629.7	5.47	7.43	8.27	-27.3	-33.1	-34.6	1.20		
5.3	25.20	1660.4	1648.6	1635.9	5.46	7.39	8.18	-32.2	-32.9	-34.9			
5.5	24.20	1666.6	1654.7	1641.8	5.44	7.41	8.22	-31.4	-33.2	-34.5			
5.8	23.00	1672.3	1660.5	1647.4	5.53	7.36	8.14	-26.6	-32.9	-33.7			
6.0	21.00	1677.6	1665.7	1652.5	5.57	7.36	8.17	-27.1	-33.1	-33.6			