

Voltage Controlled Oscillator

ROS-EDR5717

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	43.74	1429.5	1425.4	1421.4	1.91	0.69	-0.27	-28.6	-44.8	-59.4	-0.80	1	-78
0.5	38.53	1438.9	1435.0	1431.2	1.81	0.65	-0.30	-28.7	-44.9	-63.8	-0.64	10	-106
0.8	35.06	1447.5	1443.8	1440.0	1.74	0.62	-0.34	-29.1	-45.1	-62.6	-0.54	100	-126
1.0	32.76	1455.6	1452.0	1448.2	1.67	0.60	-0.33	-29.2	-44.9	-63.3	-0.48	1000	-146
1.3	30.91	1463.3	1459.7	1456.0	1.60	0.58	-0.39	-29.2	-44.9	-61.7	-0.42		
1.5	29.44	1470.6	1467.1	1463.4	1.57	0.60	-0.39	-29.4	-44.7	-61.7	-0.38		
1.8	28.00	1477.7	1474.1	1470.4	1.45	0.53	-0.35	-29.4	-44.6	-62.5	-0.34		
2.0	27.22	1484.5	1480.9	1477.2	1.34	0.43	-0.42	-29.4	-44.0	-62.2	-0.30		
2.3	26.57	1491.2	1487.5	1483.8	1.23	0.33	-0.47	-30.1	-44.1	-61.4	-0.28		
2.5	26.00	1497.7	1494.0	1490.2	1.17	0.27	-0.56	-30.3	-43.9	-62.7	-0.26		
2.8	25.68	1504.1	1500.5	1496.6	1.16	0.27	-0.60	-30.5	-43.9	-62.3	-0.24		
3.0	25.10	1510.4	1506.7	1502.8	1.20	0.30	-0.64	-30.6	-43.6	-61.7	-0.20		
3.3	24.46	1516.6	1512.9	1509.0	1.15	0.28	-0.61	-30.5	-42.9	-63.4	-0.28		
3.5	24.20	1522.7	1518.9	1515.0	1.07	0.20	-0.62	-30.5	-42.5	-61.8	-0.30		
3.8	23.95	1528.7	1524.9	1520.9	0.97	0.10	-0.70	-30.3	-42.3	-62.8	-0.28		
4.0	23.82	1534.7	1530.8	1526.8	0.89	-0.01	-0.79	-30.4	-41.9	-61.3	-0.24		
4.3	23.71	1540.7	1536.8	1532.7	0.84	-0.06	-0.86	-30.5	-41.7	-62.9	-0.22		
4.5	23.66	1546.7	1542.7	1538.5	0.78	-0.12	-0.93	-30.6	-40.9	-61.7	-0.20		
4.8	23.64	1552.6	1548.6	1544.4	0.74	-0.16	-1.01	-30.5	-40.5	-61.9	-0.16		
5.0	23.67	1558.6	1554.5	1550.2	0.75	-0.16	-1.10	-30.5	-40.3	-61.3	-0.16		
5.3	23.34	1564.5	1560.4	1556.0	0.71	-0.19	-1.15	-30.7	-40.2	-61.4	-0.24		
5.5	23.24	1570.4	1566.2	1561.9	0.64	-0.29	-1.20	-30.7	-39.3	-61.8	-0.24		
5.8	23.28	1576.3	1572.0	1567.6	0.57	-0.40	-1.30	-30.8	-38.7	-59.0	-0.22		
6.0	23.40	1582.2	1577.8	1573.4	0.47	-0.51	-1.45	-31.0	-38.1	-60.0	-0.18		
6.3	23.49	1588.1	1583.7	1579.2	0.35	-0.64	-1.56	-31.3	-37.8	-59.6	-0.18		
6.5	23.76	1594.0	1589.6	1585.1	0.23	-0.78	-1.73	-31.7	-37.2	-58.3	-0.16		
6.8	23.94	1600.1	1595.6	1591.0	0.13	-0.87	-1.92	-32.1	-36.8	-57.6	-0.16		
7.0	24.26	1606.2	1601.7	1596.9	0.11	-0.91	-2.06	-32.2	-36.0	-56.6	-0.14		