

Voltage Controlled Oscillator

ROS-1540-419+

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			
0.0	17.66	1485.6	1480.6	1475.4	4.32	4.73	4.27	-17.2	-31.1	-41.2	0.47	1	-83
0.3	17.15	1489.8	1484.9	1479.6	4.29	4.71	4.26	-17.0	-31.0	-41.2	0.52	10	-111
0.5	17.41	1493.9	1488.9	1483.6	4.24	4.68	4.26	-16.9	-31.0	-41.1	0.56	100	-131
0.8	17.92	1498.1	1493.0	1487.5	4.19	4.64	4.25	-16.8	-31.0	-41.1	0.61	1000	-151
1.0	18.69	1502.4	1497.2	1491.5	4.14	4.59	4.24	-16.7	-31.0	-40.9	0.66		
1.3	20.22	1506.9	1501.5	1495.7	4.08	4.54	4.21	-16.7	-30.9	-41.0	0.72		
1.5	21.50	1511.7	1506.2	1500.1	4.00	4.49	4.18	-16.6	-30.8	-41.0	0.79		
1.8	23.81	1517.0	1511.2	1504.9	3.89	4.41	4.14	-16.3	-30.8	-40.9	0.86		
2.0	25.86	1522.7	1516.7	1510.1	3.76	4.32	4.08	-16.0	-30.7	-40.6	0.93		
2.3	28.16	1528.8	1522.6	1515.8	3.65	4.26	4.01	-15.8	-30.5	-40.5	0.98		
2.5	29.70	1535.4	1529.0	1521.9	3.50	4.16	3.97	-15.7	-30.1	-40.1	0.99		
2.8	30.98	1542.3	1535.7	1528.4	3.35	4.06	3.91	-15.7	-30.1	-39.8	0.92		
3.0	31.49	1549.4	1542.6	1535.2	3.18	3.93	3.84	-15.5	-30.0	-39.5	0.76		
3.3	31.49	1556.3	1549.4	1541.9	3.11	3.82	3.77	-15.3	-29.7	-39.4	0.52		
3.5	29.95	1563.0	1556.0	1548.4	3.09	3.79	3.68	-15.1	-29.6	-39.4	0.24		
3.8	28.42	1569.2	1562.1	1554.6	3.10	3.80	3.66	-15.1	-29.8	-39.3	0.05		
4.0	26.11	1574.8	1567.7	1560.2	3.14	3.81	3.67	-15.2	-29.8	-39.2	0.28		
4.3	23.55	1579.8	1572.7	1565.2	3.22	3.85	3.69	-15.2	-29.8	-39.3	0.46		
4.5	20.74	1584.1	1577.1	1569.6	3.32	3.91	3.72	-15.3	-29.9	-39.6	0.52		
4.8	17.92	1588.0	1580.9	1573.3	3.44	3.99	3.74	-15.3	-30.1	-39.6	0.54		
5.0	15.62	1591.3	1584.1	1576.6	3.56	4.06	3.78	-15.4	-30.4	-39.7	0.48		
5.3	12.80	1594.1	1586.9	1579.3	3.69	4.14	3.82	-15.4	-30.6	-39.9	0.38		
5.5	11.26	1596.5	1589.3	1581.6	3.80	4.21	3.85	-15.4	-30.7	-40.1	0.24		
5.8	9.22	1598.5	1591.3	1583.6	3.90	4.26	3.88	-15.4	-30.8	-40.3	0.09		
6.0	7.68	1600.3	1593.0	1585.2	3.98	4.31	3.91	-15.4	-30.9	-40.5	0.06		
6.3	6.40	1601.8	1594.5	1586.7	4.06	4.35	3.93	-15.4	-31.0	-40.6	0.19		
6.5	5.63	1603.1	1595.7	1587.9	4.12	4.38	3.94	-15.4	-31.1	-40.7	0.31		
6.8	4.61	1604.2	1596.8	1588.9	4.16	4.41	3.95	-15.4	-31.2	-40.7	0.40		
7.0	4.61	1605.1	1597.7	1589.9	4.20	4.43	3.96	-15.4	-31.2	-40.7	0.47		

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