

Voltage Controlled Oscillator

ROS-1700-819+

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			
0.00	31.48	1642.9	1638.1	1634.4	2.14	2.30	1.79	-20.6	-26.6	-52.0	0.05	1	-85
0.25	29.25	1650.9	1646.0	1642.2	1.94	2.12	1.68	-20.3	-26.8	-54.3	0.02	10	-110
0.50	27.91	1658.3	1653.3	1649.3	1.76	1.96	1.59	-20.0	-26.2	-53.3	0.05	100	-130
0.75	27.03	1665.4	1660.3	1656.1	1.63	1.80	1.48	-19.9	-25.6	-53.6	0.07	1000	-150
1.00	26.52	1672.4	1667.1	1662.7	1.51	1.69	1.39	-19.8	-25.3	-53.5	0.07		
1.25	26.28	1679.2	1673.7	1669.1	1.40	1.59	1.31	-19.6	-25.7	-52.5	0.07		
1.50	26.07	1686.0	1680.3	1675.4	1.30	1.48	1.23	-19.4	-26.0	-52.6	0.07		
1.75	25.98	1692.7	1686.8	1681.8	1.22	1.38	1.12	-19.4	-26.2	-50.7	0.06		
2.00	25.90	1699.4	1693.3	1688.1	1.14	1.28	1.02	-19.3	-25.6	-50.8	0.06		
2.25	25.78	1706.0	1699.8	1694.4	1.07	1.18	0.93	-19.3	-25.4	-49.3	0.05		
2.50	25.85	1712.6	1706.2	1700.7	0.98	1.09	0.83	-19.1	-25.5	-47.4	0.04		
2.75	25.88	1719.2	1712.7	1707.0	0.88	1.00	0.73	-18.9	-25.7	-47.5	0.02		
3.00	25.91	1725.9	1719.1	1713.3	0.81	0.89	0.63	-18.7	-25.2	-46.4	0.01		
3.25	25.94	1732.5	1725.6	1719.6	0.75	0.78	0.51	-18.5	-24.7	-44.4	0.01		
3.50	25.95	1739.1	1732.1	1725.9	0.69	0.70	0.39	-18.5	-24.7	-44.1	0.02		
3.75	25.91	1745.7	1738.6	1732.3	0.62	0.62	0.30	-18.4	-25.2	-42.6	0.04		
3.90	25.97	1749.7	1742.5	1736.1	0.58	0.57	0.24	-18.2	-25.2	-42.1	0.05		
4.25	26.16	1759.0	1751.6	1744.9	0.52	0.46	0.11	-17.8	-25.1	-40.6	0.07		
4.50	26.21	1765.7	1758.1	1751.3	0.47	0.41	0.02	-17.7	-24.9	-39.5	0.08		
4.75	26.25	1772.3	1764.6	1757.7	0.42	0.35	-0.05	-17.6	-25.1	-40.0	0.10		
5.00	26.25	1779.0	1771.2	1764.1	0.36	0.28	-0.12	-17.6	-24.9	-38.1	0.11		
5.25	26.21	1785.6	1777.8	1770.5	0.28	0.21	-0.19	-17.6	-24.8	-37.5	0.12		
5.50	26.28	1792.3	1784.3	1777.0	0.21	0.12	-0.28	-17.3	-25.0	-38.3	0.13		
5.75	26.30	1799.0	1790.9	1783.4	0.13	0.02	-0.38	-17.0	-24.8	-36.7	0.14		
6.00	26.30	1805.6	1797.5	1789.8	0.05	-0.08	-0.49	-16.8	-24.8	-36.9	0.15		

REV. X2

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