

Voltage Controlled Oscillator

JTOS-EDR4458/2

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			
0.5	82.02	1374.3	1348.5	1322.9	1.31	2.86	2.26	-18.6	-49.1	-47.6	0.56	1	-71
1.0	72.97	1408.3	1385.0	1360.0	1.45	2.80	2.22	-19.6	-48.2	-45.8	0.64	10	-95
1.5	62.14	1438.2	1416.0	1391.7	1.40	2.72	2.05	-20.8	-49.9	-43.6	0.53	100	-116
2.0	62.41	1467.9	1447.2	1422.0	1.35	2.70	1.97	-22.3	-51.6	-41.7	0.47	1000	-136
2.5	56.68	1497.0	1475.6	1451.8	1.31	2.41	1.92	-24.0	-51.4	-40.0	0.50		
3.0	54.79	1523.8	1503.0	1480.4	1.12	2.33	1.71	-24.6	-50.8	-38.5	0.45		
3.5	55.44	1551.1	1530.7	1508.9	1.06	2.21	1.51	-26.3	-48.0	-39.0	0.48		
4.0	56.46	1578.8	1558.9	1537.9	0.84	2.35	1.35	-26.9	-48.2	-40.3	0.46		
4.5	60.20	1606.3	1589.0	1566.4	0.69	2.28	1.17	-28.3	-45.3	-41.7	0.49		
5.0	55.41	1634.7	1616.7	1595.2	0.60	2.09	0.88	-29.1	-45.4	-43.2	0.42		
5.5	55.19	1662.2	1644.3	1624.1	0.54	1.80	0.60	-30.7	-42.1	-42.8	0.29		
6.0	53.98	1685.0	1671.3	1653.9	0.38	1.25	0.28	-30.6	-42.4	-44.6	0.44		
6.5	61.51	1716.7	1702.1	1684.2	-0.32	0.86	-0.13	-30.0	-39.1	-42.5	0.48		
7.0	60.15	1747.8	1732.1	1714.7	-0.59	0.49	-0.53	-32.0	-38.7	-45.3	0.55		
7.5	62.44	1779.2	1763.4	1746.1	-0.78	0.50	-0.77	-33.8	-38.1	-50.3	0.56		
8.0	64.94	1811.0	1795.8	1778.1	-1.03	0.37	-1.13	-36.7	-38.1	-55.1	0.58		
8.5	64.28	1843.4	1828.0	1810.7	-1.38	0.21	-1.68	-38.5	-37.6	-50.6	0.56		
9.0	66.06	1876.4	1861.0	1844.5	-1.57	-0.08	-2.00	-39.0	-34.8	-48.3	0.51		
9.5	67.06	1910.4	1894.5	1879.0	-1.65	-0.61	-2.36	-41.7	-33.9	-46.1	0.53		
10.0	68.98	1945.1	1929.0	1914.4	-1.99	-0.89	-2.93	-41.0	-32.6	-44.6	0.51		
10.5	72.04	1980.5	1965.0	1950.4	-2.13	-1.07	-3.25	-43.0	-31.6	-42.6	0.45		
11.0	71.88	2016.5	2001.0	1986.6	-2.17	-1.05	-3.50	-44.2	-30.9	-44.1	0.39		
11.5	71.59	2052.6	2036.8	2023.2	-2.30	-1.01	-3.89	-45.4	-31.1	-45.0	0.32		
12.0	71.68	2088.6	2072.6	2059.7	-2.37	-1.35	-4.11	-43.4	-31.6	-45.6	0.25		