

Voltage Controlled Oscillator

ROS-ED9461/1

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			
0.5	30.33	2050.1	2035.7	2024.1	5.61	5.65	5.32	-15.0	-19.6	-30.8	0.54	1	-77
0.6	30.67	2054.8	2040.3	2028.6	5.63	5.67	5.33	-15.0	-19.5	-30.6	0.54	10	-103
0.8	30.87	2059.6	2044.9	2033.2	5.67	5.71	5.34	-14.9	-19.7	-30.4	0.58	100	-123
0.9	31.13	2064.3	2049.6	2037.8	5.71	5.74	5.36	-14.8	-19.6	-30.2	0.58	1000	-143
1.1	32.20	2069.3	2054.4	2042.5	5.76	5.77	5.34	-15.1	-19.5	-29.4	0.64		
1.2	33.13	2074.4	2059.4	2047.4	5.81	5.80	5.38	-15.0	-19.3	-29.6	0.64		
1.4	34.20	2079.7	2064.5	2052.5	5.83	5.85	5.40	-15.0	-19.3	-29.4	0.68		
1.5	35.47	2085.1	2069.8	2057.6	5.88	5.91	5.47	-15.0	-19.2	-29.5	0.68		
1.7	36.40	2090.7	2075.3	2063.0	5.90	5.95	5.51	-15.0	-19.2	-29.7	0.64		
1.8	37.93	2096.5	2081.0	2068.6	5.90	5.98	5.56	-15.1	-19.0	-29.7	0.68		
2.0	39.00	2102.4	2086.8	2074.4	5.89	6.01	5.60	-15.0	-18.8	-29.7	0.62		
2.1	40.07	2108.5	2092.8	2080.3	5.89	6.07	5.63	-14.8	-18.6	-29.5	0.58		
2.3	41.13	2114.8	2099.0	2086.4	5.87	6.06	5.66	-14.8	-18.6	-29.2	0.56		
2.4	42.73	2121.2	2105.4	2092.7	5.81	6.05	5.71	-14.7	-18.3	-29.1	0.50		
2.6	43.07	2127.8	2111.9	2099.1	5.74	6.05	5.71	-14.4	-18.1	-29.3	0.44		
2.7	44.47	2134.5	2118.5	2105.7	5.69	6.02	5.70	-14.2	-18.0	-29.5	0.38		
2.9	45.60	2141.4	2125.4	2112.5	5.63	5.98	5.68	-14.1	-17.9	-30.0	0.32		
3.0	46.47	2148.4	2132.4	2119.4	5.50	5.93	5.66	-13.9	-17.7	-30.1	0.20		
3.2	47.13	2155.5	2139.4	2126.5	5.42	5.84	5.62	-13.7	-17.7	-30.0	0.10		
3.3	47.67	2162.7	2146.6	2133.6	5.25	5.78	5.54	-13.7	-17.5	-29.8	0.00		
3.5	48.53	2170.0	2153.9	2140.9	5.13	5.64	5.48	-13.6	-17.4	-30.0	0.16		
3.6	49.07	2177.4	2161.2	2148.2	5.01	5.53	5.36	-13.4	-17.4	-30.0	0.32		
3.8	49.13	2184.8	2168.6	2155.6	4.88	5.36	5.27	-13.3	-17.3	-30.1	0.42		
3.9	49.27	2192.1	2176.0	2163.0	4.79	5.26	5.11	-13.1	-17.3	-30.3	0.56		
4.1	49.67	2199.6	2183.4	2170.5	4.76	5.13	5.00	-13.0	-17.3	-30.7	0.70		
4.2	49.33	2206.9	2190.8	2177.9	4.75	5.05	4.86	-12.9	-17.4	-30.0	0.88		
4.4	49.60	2214.4	2198.3	2185.4	4.77	5.02	4.78	-12.8	-17.4	-30.1	1.00		
4.5	49.53	2221.7	2205.7	2192.8	4.77	5.01	4.71	-12.7	-17.3	-30.4	1.20		