

Voltage Controlled Oscillator

ROS-2168-119+

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	33.23	2070.4	2062.0	2055.6	2.53	1.52	1.17	-28.7	-39.6	-33.5	0.44	1	-81.5
0.3	30.92	2078.6	2070.3	2064.1	2.59	1.57	1.21	-29.2	-40.2	-32.8	0.46	10	-104.0
0.5	29.83	2086.2	2078.0	2071.9	2.65	1.61	1.26	-29.5	-40.1	-32.7	0.47	100	-125.4
0.8	29.39	2093.7	2085.5	2079.3	2.74	1.69	1.32	-29.9	-40.0	-33.4	0.48	1000	-145.7
1.0	29.06	2101.0	2092.8	2086.6	2.82	1.78	1.39	-30.4	-39.3	-33.0	0.48		
1.3	29.24	2108.4	2100.1	2093.8	2.91	1.86	1.47	-30.9	-38.9	-32.7	0.48		
1.5	29.68	2115.8	2107.4	2101.1	2.99	1.94	1.53	-31.3	-38.1	-33.4	0.48		
1.8	30.33	2123.3	2114.8	2108.4	3.02	2.00	1.61	-31.1	-38.3	-33.5	0.48		
2.0	31.35	2131.1	2122.4	2115.8	3.05	2.04	1.64	-31.2	-38.3	-33.5	0.48		
2.3	32.12	2139.0	2130.3	2123.5	3.06	2.04	1.67	-31.4	-38.7	-34.5	0.49		
2.5	33.03	2147.2	2138.3	2131.4	3.08	2.06	1.66	-31.7	-38.4	-35.4	0.48		
2.8	33.66	2155.5	2146.5	2139.5	3.12	2.10	1.70	-31.9	-37.3	-36.5	0.47		
3.0	34.60	2164.1	2155.0	2147.9	3.20	2.16	1.73	-32.5	-36.7	-39.0	0.45		
3.3	35.44	2172.9	2163.6	2156.4	3.27	2.25	1.81	-33.1	-37.1	-41.6	0.42		
3.5	36.37	2181.9	2172.5	2165.0	3.35	2.31	1.87	-33.3	-37.0	-44.3	0.40		
3.8	36.61	2191.1	2181.6	2173.9	3.38	2.36	1.91	-33.5	-36.8	-49.6	0.36		
4.0	36.76	2200.3	2190.7	2183.0	3.38	2.38	1.93	-33.3	-37.7	-49.7	0.31		
4.3	36.66	2209.5	2199.9	2192.2	3.39	2.39	1.95	-33.5	-37.7	-46.0	0.26		
4.5	37.33	2218.9	2209.1	2201.3	3.45	2.45	2.00	-34.4	-37.4	-45.5	0.20		
4.8	37.24	2228.2	2218.4	2210.4	3.55	2.48	2.06	-34.4	-38.1	-45.7	0.17		
5.0	36.84	2237.5	2227.7	2219.6	3.60	2.55	2.04	-34.8	-37.3	-43.6	0.10		
5.3	36.32	2246.7	2236.9	2228.9	3.65	2.60	2.10	-34.9	-37.2	-44.2	0.03		
5.5	35.82	2255.7	2246.0	2237.9	3.69	2.67	2.16	-35.4	-38.5	-44.8	0.02		
5.8	36.12	2264.9	2254.9	2246.9	3.72	2.69	2.21	-35.7	-38.5	-43.8	0.06		
6.0	35.91	2273.9	2264.0	2255.7	3.81	2.73	2.22	-35.3	-38.7	-44.5	0.12		

