

Voltage Controlled Oscillator

ROS-EDR4729

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			
1.0	39.50	1794.9	1772.7	1756.7	1.79	2.89	2.54	-25.9	-37.3	-39.8	1.47	1	-72
2.0	32.80	1826.0	1805.6	1790.4	1.76	2.83	2.48	-27.3	-39.0	-37.9	1.54	10	-96
3.0	32.20	1859.8	1837.8	1820.9	1.57	2.74	2.49	-28.5	-40.9	-37.0	1.09	100	-114
4.0	33.30	1892.2	1871.0	1854.0	1.58	2.67	2.45	-29.1	-42.7	-38.9	1.09	1000	-136
5.0	33.60	1924.8	1904.6	1887.0	1.59	2.61	2.41	-29.2	-46.8	-36.0	1.22		
6.0	33.20	1959.6	1937.9	1918.9	1.55	2.59	2.51	-29.5	-54.9	-39.1	1.09		
7.0	32.90	1992.9	1970.8	1953.4	1.62	2.64	2.45	-29.7	-58.3	-38.1	0.90		
8.0	32.80	2027.5	2003.6	1985.7	1.62	2.67	2.37	-30.6	-52.0	-39.3	0.96		
9.0	33.60	2058.3	2037.2	2020.7	1.64	2.65	2.39	-32.7	-50.8	-38.8	1.22		
10.0	34.60	2093.7	2071.7	2052.9	1.59	2.59	2.33	-33.3	-50.0	-39.5	0.83		
11.0	34.70	2125.6	2106.4	2088.4	1.39	2.51	2.40	-34.9	-49.3	-40.4	0.70		
12.0	33.70	2160.6	2140.1	2121.3	1.28	2.38	2.24	-36.4	-48.3	-40.6	1.34		
13.0	32.40	2192.7	2172.5	2156.2	1.07	2.22	2.13	-39.1	-47.8	-42.1	1.22		
14.0	31.30	2224.7	2203.8	2187.6	0.93	2.08	1.93	-42.9	-46.8	-43.6	0.64		
15.0	30.10	2254.9	2233.9	2217.2	0.87	1.95	1.70	-47.3	-45.0	-43.6	0.51		
16.0	28.40	2282.5	2262.3	2245.9	0.66	1.82	1.70	-51.3	-44.8	-45.3	1.02		
17.0	26.20	2308.0	2288.5	2272.4	0.55	1.69	1.54	-48.0	-44.3	-45.7	1.41		
18.0	23.80	2331.9	2312.3	2295.6	0.33	1.53	1.35	-44.5	-42.3	-47.0	1.34		
19.0	21.80	2353.3	2334.0	2316.9	0.12	1.35	1.03	-42.8	-41.8	-47.5	1.02		
20.0	19.60	2373.4	2353.7	2337.1	0.03	1.16	0.80	-41.8	-41.1	-48.6	0.70		
21.0	17.70	2391.8	2371.4	2355.2	-0.04	0.98	0.64	-39.6	-40.6	-47.9	0.58		
22.0	15.70	2407.7	2387.1	2371.4	-0.18	0.80	0.39	-39.9	-40.6	-47.9	0.70		
23.0	14.00	2421.1	2401.2	2385.8	-0.36	0.61	0.19	-39.7	-41.7	-49.7	1.02		
24.0	12.20	2433.1	2413.3	2398.1	-0.51	0.41	0.02	-40.2	-41.5	-50.7	1.22		