

Voltage Controlled Oscillator

ROS-2420-219+

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	109.74	2074.3	2057.2	2039.9	0.15	1.18	1.53	-36.66	-31.63	-36.04	0.95	1	-70
0.25	101.67	2100.6	2084.6	2068.6	0.07	1.10	1.45	-38.37	-32.18	-36.34	1.04	10	-97
0.50	96.34	2125.3	2110.0	2094.8	0.03	1.00	1.35	-39.84	-30.96	-35.82	1.05	100	-119
0.75	92.83	2148.9	2134.1	2119.5	-0.08	0.96	1.27	-39.99	-29.41	-35.05	1.01	1000	-140
1.00	91.19	2172.0	2157.3	2143.1	-0.17	0.85	1.18	-38.79	-27.95	-34.23	0.93		
1.25	89.39	2194.4	2180.1	2166.1	-0.20	0.79	1.05	-37.89	-28.54	-33.61	0.85		
1.50	88.65	2216.5	2202.5	2188.8	-0.28	0.76	1.01	-37.14	-29.00	-33.59	0.71		
1.75	87.74	2238.6	2224.6	2211.1	-0.33	0.67	0.96	-36.54	-29.28	-34.85	0.55		
2.00	86.89	2260.6	2246.6	2233.2	-0.49	0.62	0.90	-35.74	-29.25	-35.88	0.32		
2.25	86.43	2282.4	2268.3	2255.1	-0.65	0.45	0.78	-35.06	-27.60	-37.63	0.03		
2.50	84.25	2303.9	2289.9	2276.6	-0.65	0.32	0.59	-34.79	-26.26	-37.99	0.31		
2.75	81.86	2324.9	2311.0	2297.8	-0.68	0.29	0.51	-34.89	-26.39	-38.70	0.75		
3.00	79.49	2345.4	2331.4	2318.4	-0.77	0.24	0.45	-34.63	-26.44	-37.53	1.20		
3.25	76.24	2365.3	2351.3	2338.3	-0.81	0.19	0.37	-34.63	-27.34	-37.34	1.65		
3.50	73.02	2384.3	2370.3	2357.6	-0.98	0.12	0.34	-35.31	-27.88	-38.63	2.02		
3.75	69.02	2402.6	2388.6	2375.9	-1.11	-0.05	0.23	-35.36	-28.06	-39.49	2.33		
4.00	64.03	2419.6	2405.9	2393.3	-1.07	-0.18	0.04	-35.65	-28.66	-40.24	2.49		
4.25	58.28	2435.3	2421.9	2409.6	-1.08	-0.17	-0.06	-36.18	-28.78	-39.09	2.56		
4.50	53.01	2449.6	2436.4	2424.6	-1.22	-0.16	-0.07	-36.95	-29.61	-39.15	2.50		
4.75	47.95	2462.6	2449.7	2438.1	-1.36	-0.27	-0.06	-36.56	-29.72	-39.99	2.35		
5.00	43.02	2474.2	2461.7	2450.3	-1.44	-0.41	-0.16	-36.84	-29.96	-41.34	2.11		
5.25	38.62	2484.7	2472.4	2461.3	-1.53	-0.48	-0.29	-36.55	-29.34	-40.62	1.80		
5.50	34.82	2494.0	2482.1	2471.2	-1.58	-0.58	-0.37	-36.92	-29.77	-42.04	1.49		
5.75	31.27	2502.4	2490.8	2480.1	-1.59	-0.63	-0.44	-37.08	-29.91	-41.41	1.17		
6.00	28.33	2510.0	2498.6	2488.1	-1.57	-0.65	-0.51	-36.60	-29.49	-42.36	0.86		
6.25	25.75	2516.8	2505.7	2495.4	-1.53	-0.68	-0.55	-36.53	-29.20	-41.19	0.58		
6.50	23.52	2523.0	2512.1	2502.0	-1.49	-0.67	-0.57	-36.13	-29.07	-42.17	0.33		
6.75	21.61	2528.7	2518.0	2508.1	-1.44	-0.65	-0.59	-36.42	-29.45	-42.41	0.11		
7.00	21.61	2533.9	2523.4	2513.6	-1.41	-0.62	-0.59	-36.37	-29.70	-41.71	0.08		



ISO 9001 ISO 14001 AS 9100 CERTIFIED

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