

Voltage Controlled Oscillator

ROS-2435+

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	19.28	2395.79	2392.74	2389.45	6.24	6.16	4.80	-22.16	-37.08	-45.39	0.02	1	-87.3
0.25	17.73	2400.35	2397.56	2394.47	6.35	6.29	4.99	-21.77	-35.79	-45.66	0.00	10	-115.3
0.50	16.83	2404.61	2401.99	2399.00	6.45	6.41	5.14	-21.50	-35.06	-45.43	0.01	100	-134.9
0.70	16.40	2407.88	2405.35	2402.42	6.52	6.50	5.25	-21.36	-34.88	-45.75	0.02	1000	-155.6
1.00	15.98	2412.69	2410.27	2407.39	6.62	6.62	5.40	-21.18	-35.50	-45.70	0.03		
1.25	15.81	2416.62	2414.26	2411.40	6.69	6.70	5.51	-20.97	-36.44	-45.46	0.03		
1.50	15.77	2420.54	2418.21	2415.37	6.75	6.77	5.60	-20.85	-35.48	-45.35	0.04		
1.75	15.84	2424.46	2422.16	2419.32	6.80	6.83	5.68	-20.76	-34.67	-45.62	0.04		
2.00	15.97	2428.41	2426.12	2423.27	6.87	6.89	5.74	-20.65	-34.53	-45.76	0.05		
2.25	16.14	2432.40	2430.11	2427.26	6.94	6.97	5.81	-20.48	-35.14	-45.09	0.05		
2.50	16.35	2436.44	2434.15	2431.28	7.00	7.03	5.88	-20.31	-36.19	-44.13	0.05		
2.75	16.59	2440.55	2438.23	2435.35	7.05	7.09	5.95	-20.16	-35.82	-44.65	0.05		
3.00	16.79	2444.73	2442.38	2439.48	7.10	7.14	6.00	-20.15	-35.50	-45.02	0.05		
3.25	16.91	2448.95	2446.58	2443.67	7.14	7.19	6.05	-20.33	-35.89	-44.94	0.04		
3.50	16.89	2453.18	2450.80	2447.90	7.19	7.23	6.08	-20.52	-36.85	-44.16	0.02		
3.75	16.73	2457.41	2455.03	2452.15	7.23	7.28	6.12	-20.77	-38.88	-44.49	0.02		
4.00	16.40	2461.59	2459.21	2456.39	7.27	7.31	6.16	-20.83	-38.28	-45.13	0.07		
4.25	15.89	2465.67	2463.31	2460.55	7.31	7.35	6.19	-21.03	-37.73	-45.10	0.13		
4.50	15.22	2469.62	2467.28	2464.60	7.33	7.38	6.20	-21.22	-38.51	-44.37	0.19		
4.75	14.40	2473.39	2471.09	2468.49	7.36	7.40	6.22	-21.29	-39.28	-44.54	0.24		
5.00	13.49	2476.98	2474.69	2472.16	7.37	7.41	6.22	-21.31	-39.93	-44.81	0.28		
5.25	12.51	2480.34	2478.06	2475.59	7.37	7.41	6.21	-21.37	-41.37	-44.69	0.29		
5.50	11.51	2483.46	2481.19	2478.75	7.37	7.40	6.19	-21.43	-42.47	-43.98	0.29		
5.75	10.52	2486.35	2484.06	2481.63	7.37	7.40	6.16	-21.57	-41.52	-43.85	0.27		
6.00	9.60	2488.99	2486.69	2484.26	7.38	7.39	6.13	-21.68	-40.96	-44.19	0.23		
6.25	8.77	2491.41	2489.09	2486.64	7.38	7.38	6.11	-21.78	-41.06	-44.49	0.18		
6.50	8.07	2493.63	2491.29	2488.81	7.38	7.38	6.08	-21.83	-41.49	-44.58	0.13		
6.75	7.47	2495.67	2493.30	2490.81	7.38	7.37	6.05	-21.93	-41.76	-44.41	0.09		
7.00	7.47	2497.56	2495.17	2492.66	7.38	7.36	6.01	-22.03	-42.17	-44.08	0.04		