

Voltage Controlled Oscillator

ROSA-ED10173/1

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	26.54	2218.0	2214.7	2212.5	-1.21	-1.85	-2.65	-43.7	-43.2	-42.8	0.82	1	-83
1.0	23.62	2229.8	2226.5	2224.3	-1.15	-1.76	-2.54	-43.3	-42.8	-44.3	0.88	10	-109
1.5	22.86	2241.3	2237.9	2235.6	-1.16	-1.79	-2.50	-42.7	-42.4	-42.2	1.00	100	-129
2.0	22.98	2253.0	2249.4	2247.0	-1.21	-1.79	-2.45	-42.4	-43.4	-42.6	1.08	1000	-149
2.5	23.60	2264.9	2261.2	2258.7	-1.23	-1.78	-2.47	-41.1	-43.6	-42.9	1.14		
3.0	24.26	2277.1	2273.4	2270.7	-1.25	-1.80	-2.46	-44.1	-43.8	-42.0	1.24		
3.5	24.86	2289.6	2285.8	2283.0	-1.24	-1.78	-2.47	-42.4	-42.1	-42.0	1.20		
4.0	25.08	2302.2	2298.3	2295.5	-1.23	-1.75	-2.44	-43.8	-44.1	-43.4	1.14		
4.5	25.02	2314.8	2310.8	2307.9	-1.06	-1.64	-2.31	-43.2	-43.9	-43.2	1.12		
5.0	24.52	2327.0	2323.1	2320.2	-0.87	-1.40	-2.13	-43.6	-43.6	-43.1	1.02		
5.5	23.68	2338.8	2334.9	2332.0	-0.62	-1.18	-1.93	-43.4	-43.3	-44.5	1.02		
6.0	22.76	2350.2	2346.3	2343.4	-0.50	-1.07	-1.75	-44.1	-44.1	-44.2	1.02		
6.5	21.78	2361.0	2357.2	2354.3	-0.41	-0.97	-1.66	-43.6	-43.0	-44.4	0.96		
7.0	20.90	2371.4	2367.7	2364.8	-0.35	-0.89	-1.64	-44.2	-43.4	-44.8	1.02		
7.5	19.88	2381.3	2377.6	2374.8	-0.32	-0.89	-1.64	-44.5	-43.0	-43.8	1.08		
8.0	19.10	2390.8	2387.2	2384.4	-0.30	-0.88	-1.66	-44.4	-40.3	-43.9	1.12		
8.5	18.16	2399.8	2396.2	2393.5	-0.32	-0.88	-1.69	-44.5	-37.9	-44.7	1.14		
9.0	17.48	2408.4	2405.0	2402.3	-0.46	-0.94	-1.71	-43.4	-37.1	-44.8	1.14		
9.5	16.70	2416.8	2413.3	2410.8	-0.53	-1.06	-1.85	-44.4	-37.0	-43.7	1.14		
10.0	16.06	2424.9	2421.4	2418.8	-0.67	-1.17	-2.00	-44.4	-38.2	-44.8	1.16		