

Voltage Controlled Oscillator

ROS-EDR5812

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	19.58	315.1	313.8	312.4	5.82	4.86	3.50	-22.3	-34.8	-47.7	-0.45	1	-81
2.0	18.94	334.1	332.7	331.2	6.25	5.35	4.04	-22.8	-36.4	-49.2	-0.38	10	-110
3.0	18.94	353.1	351.7	350.0	6.40	5.56	4.44	-23.1	-37.4	-54.7	-0.45	100	-130
4.0	18.69	371.6	370.4	369.2	6.53	5.65	4.41	-23.9	-37.8	-49.0	-0.70	1000	-145
5.0	18.75	389.9	389.1	388.0	6.49	5.57	4.46	-24.5	-38.5	-45.6	-0.96		
6.0	17.79	407.7	406.9	406.0	6.38	5.57	4.50	-24.9	-39.2	-42.6	-1.15		
7.0	17.09	424.6	424.0	423.4	6.36	5.57	4.47	-25.2	-40.0	-38.6	-1.28		
8.0	16.19	440.7	440.2	439.6	6.35	5.54	4.52	-25.9	-41.6	-33.4	-1.54		
9.0	15.42	455.9	455.6	455.0	6.33	5.49	4.46	-26.8	-40.1	-36.0	-1.54		
10.0	14.72	470.7	470.3	470.0	6.23	5.41	4.33	-27.4	-39.6	-40.1	-1.60		
11.0	13.95	484.6	484.3	484.2	6.20	5.37	4.23	-28.2	-39.5	-43.2	-1.66		
12.0	13.44	497.5	497.7	497.7	6.20	5.26	4.20	-29.1	-38.9	-44.5	-1.79		
13.0	12.61	510.1	510.3	510.1	6.07	5.16	4.16	-29.6	-38.6	-44.6	-1.79		
14.0	11.65	522.0	522.0	521.7	5.93	5.08	4.10	-30.1	-38.5	-43.7	-1.92		
15.0	10.77	532.9	532.8	532.5	5.83	5.02	4.03	-30.6	-38.1	-43.1	-1.98		
16.0	9.90	542.8	542.7	542.7	5.78	4.99	3.93	-31.1	-37.9	-41.6	-2.11		
17.0	9.22	552.0	551.9	552.3	5.71	4.94	3.80	-31.8	-37.2	-40.1	-2.30		
18.0	8.62	560.4	560.5	560.9	5.70	4.89	3.75	-32.2	-35.5	-38.7	-2.51		
19.0	7.65	568.1	568.1	568.8	5.81	4.97	3.77	-32.2	-34.9	-38.5	-2.51		
20.0	6.96	574.9	575.1	575.9	5.96	5.06	3.79	-32.8	-34.8	-38.6	-2.62		
21.0	6.59	581.2	581.7	582.5	6.10	5.10	3.76	-33.7	-35.2	-40.0	-2.62		
22.0	6.32	587.2	588.0	588.7	6.18	5.04	3.63	-35.2	-35.3	-40.6	-2.54		