

Voltage Controlled Oscillator

ROS-ED8497C/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			
0.6	16.12	707.2	703.7	700.5	7.43	7.37	6.45	-22.7	-47.8	-44.0	0.04	1	-87
1.3	12.90	714.4	711.8	709.3	7.44	7.10	6.17	-23.8	-49.7	-44.2	0.45	10	-111
1.9	11.79	721.3	719.3	716.6	7.12	6.76	6.08	-25.3	-49.8	-44.0	0.56	100	-130
2.5	11.01	728.2	726.2	723.4	6.75	6.54	6.03	-26.7	-51.9	-44.3	0.52	1000	-148
3.2	10.54	735.0	732.8	729.8	6.48	6.38	6.00	-28.3	-52.8	-45.2	0.45		
3.8	10.31	741.5	739.3	736.2	6.28	6.27	5.99	-29.8	-52.7	-45.3	0.40		
4.4	10.30	748.2	745.8	742.5	6.11	6.16	5.99	-32.1	-54.7	-45.9	0.32		
5.0	10.48	754.9	752.4	748.9	5.95	6.06	5.96	-35.0	-55.0	-45.9	0.30		
5.7	10.78	761.8	759.2	755.5	5.84	6.01	5.93	-38.5	-55.6	-46.4	0.24		
6.3	11.21	769.0	766.3	762.4	5.80	5.96	5.90	-43.0	-56.0	-45.3	0.20		
6.9	11.70	776.5	773.6	769.6	5.82	6.00	5.94	-41.1	-54.2	-46.8	0.16		
7.6	12.27	784.3	781.4	777.2	5.95	6.10	6.02	-37.6	-54.6	-47.9	0.14		
8.2	12.83	792.5	789.5	785.1	6.15	6.29	6.19	-34.2	-55.0	-47.8	0.10		
8.8	13.28	801.0	797.8	793.3	6.38	6.51	6.39	-31.7	-52.5	-48.3	0.08		
9.5	13.56	809.5	806.4	801.7	6.61	6.71	6.59	-29.7	-49.4	-48.2	0.08		
10.1	13.51	818.0	814.9	810.1	6.86	6.90	6.76	-28.2	-49.9	-50.0	0.06		
10.7	13.24	826.3	823.2	818.4	7.14	7.12	6.92	-27.1	-50.6	-50.6	0.06		
11.3	12.62	834.2	831.2	826.4	7.48	7.35	7.07	-26.2	-50.5	-53.2	0.08		
12.0	11.92	841.6	838.7	833.9	7.84	7.67	7.30	-25.7	-51.2	-53.9	0.10		
12.6	11.11	848.5	845.7	840.9	8.19	8.00	7.55	-25.2	-51.7	-53.7	0.11		
13.2	10.28	854.9	852.1	847.4	8.50	8.35	7.84	-24.9	-52.4	-51.9	0.11		
13.9	9.46	860.8	858.1	853.4	8.77	8.66	8.14	-24.5	-52.7	-51.5	0.09		
14.5	8.71	866.2	863.6	859.0	8.99	8.93	8.43	-24.6	-52.1	-49.2	0.09		
15.1	8.03	871.2	868.7	864.1	9.17	9.14	8.69	-24.6	-51.1	-49.2	0.04		
15.8	7.42	875.9	873.3	868.8	9.29	9.31	8.91	-24.7	-49.0	-47.5	0.04		
16.4	6.89	880.3	877.7	873.2	9.39	9.44	9.09	-24.8	-49.3	-47.8	0.00		
17.0	6.40	884.3	881.7	877.2	9.46	9.54	9.23	-24.9	-47.9	-47.2	0.02		
17.6	6.00	888.1	885.5	881.0	9.51	9.61	9.34	-25.1	-46.9	-46.4	0.04		
18.3	5.62	891.6	889.0	884.5	9.55	9.67	9.42	-25.2	-46.6	-46.6	0.07		
18.9	5.26	894.9	892.3	887.8	9.59	9.72	9.48	-25.4	-46.8	-46.1	0.09		
19.5	4.96	898.1	895.5	890.9	9.63	9.76	9.54	-25.6	-46.0	-45.8	0.09		
20.2	4.70	901.0	898.4	893.9	9.67	9.80	9.59	-25.8	-45.2	-45.5	0.11		
20.8	4.41	903.8	901.2	896.6	9.71	9.85	9.63	-25.9	-45.9	-45.6	0.14		
21.4	4.16	906.5	903.8	899.2	9.75	9.89	9.68	-26.1	-45.5	-46.1	0.16		
22.1	3.94	909.0	906.3	901.7	9.80	9.93	9.72	-26.3	-44.7	-46.1	0.18		
22.7	3.69	911.3	908.6	904.0	9.85	9.98	9.76	-26.5	-44.1	-46.2	0.20		
23.3	3.47	913.5	910.8	906.1	9.94	10.03	9.80	-26.5	-44.1	-45.8	0.22		
23.9	3.23	915.6	912.8	908.1	9.95	10.08	9.84	-26.6	-44.1	-45.1	0.22		
24.6	3.00	917.5	914.7	910.0	10.00	10.12	9.88	-26.9	-43.9	-45.7	0.22		
25.2	2.78	919.3	916.5	911.7	10.04	10.17	9.91	-27.1	-43.4	-45.7	0.24		