

Voltage Controlled Oscillator

ROS-EDR6516

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			
0.3	12.18	139.7	138.7	138.3	1.19	1.70	0.57	-14.8	-37.2	-60.5	-0.04	1 10 100 1000	-85 -108 -128 -148
0.5	12.54	142.8	141.8	141.2	1.09	1.75	1.11	-15.0	-36.5	-58.1	-0.05		
0.8	13.36	146.1	144.9	144.2	1.00	1.77	1.39	-15.3	-36.3	-55.5	-0.06		
1.0	14.66	149.6	148.3	147.4	0.91	1.75	1.54	-15.6	-36.1	-53.5	-0.06		
1.3	16.63	153.4	151.9	150.9	0.82	1.72	1.63	-16.1	-35.8	-52.4	-0.04		
1.5	19.37	157.9	156.1	154.9	0.74	1.67	1.67	-16.9	-35.6	-50.8	-0.02		
1.8	23.29	163.1	160.9	159.5	0.63	1.61	1.69	-17.7	-35.8	-49.7	0.00		
2.0	27.58	169.4	166.7	164.9	0.60	1.59	1.69	-18.4	-35.7	-48.2	0.05		
2.3	32.20	176.8	173.6	171.4	0.56	1.60	1.72	-19.6	-36.1	-47.0	0.08		
2.5	33.66	185.4	181.7	179.1	0.47	1.60	1.77	-21.0	-36.2	-46.1	-0.09		
2.8	30.50	193.9	190.1	187.3	0.27	1.47	1.74	-21.8	-37.0	-45.7	-0.49		
3.0	24.46	201.2	197.7	195.2	-0.04	1.25	1.59	-23.1	-37.1	-46.4	-0.80		
3.3	17.36	206.7	203.8	201.6	-0.32	0.97	1.33	-23.9	-37.9	-46.9	-0.74		
3.5	11.94	210.4	208.2	206.4	-0.56	0.73	1.10	-24.2	-37.8	-46.7	-0.46		
3.8	8.55	212.9	211.2	209.7	-0.74	0.52	0.90	-24.4	-37.8	-46.5	-0.22		
4.0	6.45	214.8	213.3	212.1	-0.90	0.36	0.74	-24.7	-38.0	-46.6	-0.09		
4.3	5.06	216.2	214.9	213.8	-1.02	0.23	0.61	-24.9	-38.2	-46.7	-0.01		
4.5	4.07	217.4	216.2	215.2	-1.12	0.12	0.50	-25.1	-38.3	-46.7	0.04		
4.8	3.34	218.3	217.2	216.3	-1.20	0.02	0.41	-25.2	-38.4	-46.7	0.08		
5.0	2.80	219.1	218.0	217.2	-1.27	-0.05	0.34	-25.3	-38.5	-46.6	0.10		
5.3	2.38	219.7	218.7	217.9	-1.33	-0.12	0.27	-25.4	-38.5	-46.6	0.12		
5.5	2.04	220.3	219.3	218.5	-1.38	-0.18	0.21	-25.4	-38.5	-46.4	0.14		
5.8	1.77	220.7	219.8	219.1	-1.43	-0.23	0.16	-25.5	-38.5	-46.4	0.15		
6.0	1.54	221.1	220.3	219.5	-1.47	-0.27	0.12	-25.6	-38.5	-46.3	0.16		
6.3	1.36	221.5	220.7	219.9	-1.50	-0.31	0.08	-25.6	-38.5	-46.3	0.17		
6.5	1.21	221.8	221.0	220.3	-1.53	-0.34	0.05	-25.6	-38.5	-46.3	0.18		
6.8	1.08	222.1	221.3	220.6	-1.56	-0.37	0.02	-25.6	-38.4	-46.3	0.19		
7.0	1.08	222.4	221.6	220.9	-1.59	-0.40	-0.01	-25.7	-38.4	-46.3	0.19		

