

Voltage Controlled Oscillator

ROS-EDR6116/1

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			
0.2	30.38	170.6	167.8	165.6	7.62	7.93	7.66	-17.0	-37.8	-52.2	-0.72	1	-91
0.4	27.32	175.3	172.6	170.6	7.68	8.06	7.86	-18.0	-38.2	-51.9	-0.76	10	-114
0.5	24.10	179.3	176.8	174.9	7.75	8.13	7.95	-19.0	-38.8	-52.1	-0.59	100	-134
0.7	21.17	182.9	180.5	178.8	7.82	8.21	8.04	-19.8	-39.3	-52.8	-0.48	1000	-151
0.9	19.04	186.1	183.8	182.2	7.90	8.27	8.13	-20.5	-39.7	-52.8	-0.40		
1.1	17.42	189.1	186.9	185.3	7.97	8.35	8.22	-21.2	-40.0	-52.7	-0.34		
1.2	16.10	191.8	189.7	188.1	8.06	8.43	8.32	-21.8	-40.4	-52.5	-0.30		
1.4	15.03	194.4	192.3	190.8	8.14	8.51	8.41	-22.4	-40.8	-52.6	-0.26		
1.6	14.17	196.8	194.8	193.3	8.22	8.59	8.51	-22.9	-41.1	-52.5	-0.23		
1.8	13.37	199.1	197.2	195.7	8.29	8.68	8.61	-23.4	-41.4	-52.1	-0.21		
1.9	12.74	201.3	199.4	197.9	8.38	8.77	8.70	-23.8	-41.7	-52.1	-0.19		
2.1	12.17	203.4	201.5	200.1	8.45	8.86	8.79	-24.3	-42.0	-52.6	-0.17		
2.3	11.67	205.5	203.6	202.2	8.51	8.94	8.86	-24.7	-42.3	-52.4	-0.16		
2.5	11.26	207.5	205.5	204.2	8.56	9.00	8.91	-25.1	-42.5	-52.7	-0.14		
2.6	11.06	209.4	207.5	206.1	8.62	9.04	8.95	-25.5	-42.8	-52.6	-0.14		
2.8	10.66	211.2	209.3	208.0	8.66	9.08	8.99	-25.8	-42.8	-52.8	-0.13		
3.0	10.26	213.0	211.1	209.8	8.70	9.12	9.05	-26.1	-42.9	-52.8	-0.12		
3.2	9.98	214.7	212.9	211.6	8.73	9.16	9.09	-26.5	-43.1	-52.4	-0.12		
3.3	9.72	216.4	214.6	213.3	8.77	9.19	9.12	-26.8	-43.2	-52.7	-0.11		
3.5	9.50	218.0	216.2	214.9	8.78	9.21	9.14	-27.1	-43.2	-52.6	-0.11		
3.7	9.31	219.6	217.9	216.6	8.80	9.21	9.15	-27.3	-43.3	-52.7	-0.10		
3.9	9.12	221.2	219.5	218.2	8.80	9.21	9.16	-27.5	-43.5	-52.4	-0.10		
4.0	8.97	222.8	221.0	219.8	8.79	9.20	9.15	-27.8	-43.6	-52.7	-0.10		
4.2	8.79	224.3	222.6	221.3	8.77	9.18	9.15	-27.9	-43.6	-52.4	-0.09		
4.4	8.65	225.8	224.1	222.8	8.74	9.16	9.13	-28.1	-43.7	-52.3	-0.09		
4.6	8.53	227.2	225.6	224.3	8.71	9.13	9.11	-28.3	-43.8	-52.0	-0.09		
4.7	8.39	228.7	227.1	225.8	8.66	9.09	9.09	-28.5	-43.8	-52.1	-0.08		
4.9	8.29	230.1	228.5	227.2	8.62	9.05	9.06	-28.7	-43.9	-51.7	-0.08		
5.1	8.18	231.6	229.9	228.7	8.56	9.01	9.02	-28.8	-43.9	-51.8	-0.07		
5.3	8.10	233.0	231.4	230.1	8.49	8.95	8.97	-29.0	-43.9	-51.6	-0.07		
5.4	8.01	234.4	232.8	231.5	8.41	8.89	8.91	-29.1	-44.0	-51.2	-0.07		
5.6	7.92	235.8	234.1	232.9	8.33	8.82	8.84	-29.2	-44.0	-51.4	-0.06		
5.8	7.86	237.1	235.5	234.3	8.24	8.74	8.77	-29.3	-44.0	-51.0	-0.06		
6.0	7.78	238.5	236.9	235.6	8.14	8.65	8.68	-29.3	-44.1	-51.0	-0.05		
6.1	7.73	239.8	238.2	237.0	8.03	8.56	8.59	-29.4	-44.1	-50.7	-0.05		
6.3	7.66	241.2	239.6	238.3	7.91	8.45	8.48	-29.5	-44.0	-50.8	-0.05		
6.5	7.59	242.5	240.9	239.7	7.78	8.34	8.37	-29.4	-44.2	-50.7	-0.04		
6.8	7.48	245.1	243.5	242.3	7.51	8.08	8.12	-29.5	-44.0	-50.3	-0.04		
7.0	7.45	246.5	244.8	243.6	7.37	7.94	7.98	-29.5	-43.9	-50.2	-0.04		