

Voltage Controlled Oscillator

ROS-ED8579A/4

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	17.22	124.3	122.4	121.6	8.65	7.05	5.73	-21.3	-36.8	-34.5	0.38	1	-84
0.5	16.36	127.8	126.5	125.7	9.09	7.84	6.68	-21.7	-39.0	-37.2	0.70	10	-108
0.8	14.76	131.4	130.2	129.2	8.93	8.32	7.48	-22.3	-40.8	-38.8	0.54	100	-128
1.0	13.84	135.1	133.6	132.5	8.92	8.40	7.77	-23.7	-42.2	-39.3	0.60	1000	-148
1.3	13.15	138.5	136.9	135.7	8.96	8.47	7.90	-24.7	-43.7	-39.0	0.58		
1.5	12.49	141.7	140.0	138.8	9.01	8.52	7.99	-25.3	-44.3	-38.2	0.54		
1.8	12.00	144.8	143.0	141.7	9.05	8.57	8.09	-26.0	-44.5	-37.7	0.87		
2.0	11.56	147.7	145.9	144.5	9.09	8.62	8.16	-26.7	-45.0	-37.0	0.46		
2.3	11.29	150.5	148.7	147.3	9.13	8.66	8.23	-27.2	-44.3	-36.2	0.43		
2.5	10.99	153.3	151.5	150.0	9.16	8.71	8.30	-27.5	-43.3	-35.3	0.42		
2.8	10.69	156.1	154.2	152.6	9.18	8.78	8.38	-28.0	-43.3	-34.7	0.43		
3.0	10.38	158.8	156.8	155.2	9.21	8.87	8.47	-28.3	-42.7	-35.3	0.45		
3.3	10.21	161.5	159.3	157.7	9.25	8.97	8.56	-28.5	-43.3	-36.3	0.46		
3.5	10.20	164.1	161.9	160.3	9.34	9.05	8.64	-28.5	-44.2	-37.7	0.46		
3.8	10.20	166.7	164.4	162.8	9.42	9.13	8.71	-28.5	-45.0	-39.3	0.47		
4.0	10.29	169.3	167.0	165.4	9.50	9.19	8.78	-28.5	-46.0	-41.0	0.48		
4.3	10.38	172.0	169.6	167.9	9.57	9.26	8.85	-28.7	-47.2	-42.5	0.49		
4.5	10.40	174.6	172.2	170.5	9.64	9.31	8.90	-28.5	-47.8	-43.8	0.50		
4.8	10.52	177.3	174.8	173.1	9.70	9.38	8.97	-28.3	-48.5	-45.5	0.50		
5.0	10.53	180.0	177.4	175.7	9.79	9.44	9.02	-28.3	-49.2	-46.3	0.52		
5.3	10.65	182.7	180.1	178.4	9.87	9.53	9.08	-28.2	-49.2	-47.0	0.54		
5.5	10.81	185.5	182.8	181.1	9.93	9.61	9.12	-28.2	-49.0	-47.3	0.56		
5.8	11.04	188.3	185.6	183.9	10.02	9.66	9.19	-27.8	-48.8	-47.5	0.57		
6.0	11.40	191.1	188.4	186.7	10.08	9.74	9.23	-27.7	-48.7	-46.2	0.57		
6.3	11.55	193.9	191.3	189.5	10.17	9.79	9.33	-27.5	-48.0	-44.2	0.57		
6.5	11.68	196.7	194.2	192.3	10.24	9.87	9.39	-27.2	-47.7	-41.5	0.58		
6.8	11.70	199.6	197.1	195.2	10.30	9.93	9.47	-27.0	-46.8	-39.7	0.61		
7.0	11.71	202.6	200.1	198.1	10.32	10.00	9.54	-26.7	-46.8	-38.0	0.67		
7.3	11.75	205.7	203.0	201.0	10.36	10.05	9.59	-26.5	-47.3	-36.7	0.74		
7.5	11.78	208.8	206.0	204.0	10.36	10.11	9.61	-26.5	-47.0	-35.8	0.83		
7.8	11.91	211.9	208.9	207.1	10.40	10.13	9.65	-26.3	-47.7	-35.2	0.91		
8.0	12.15	215.1	212.0	210.2	10.40	10.17	9.65	-26.0	-48.0	-34.7	0.95		
8.3	12.50	218.2	215.1	213.4	10.42	10.15	9.63	-25.8	-47.7	-34.2	0.96		
8.5	12.84	221.2	218.3	216.5	10.49	10.12	9.65	-25.8	-47.5	-33.8	0.96		
8.8	12.93	224.2	221.5	219.7	10.55	10.13	9.63	-25.7	-47.3	-33.2	0.97		
9.0	13.05	227.4	224.8	222.9	10.58	10.11	9.61	-25.5	-46.7	-32.3	0.99		
9.3	12.99	230.6	228.0	226.1	10.61	10.11	9.58	-25.7	-46.5	-32.0	1.02		
9.5	12.83	233.9	231.3	229.4	10.63	10.09	9.56	-25.7	-47.5	-31.3	1.07		
9.8	12.77	237.2	234.4	232.7	10.62	10.08	9.55	-25.8	-48.3	-30.8	1.15		
10.0	12.87	240.5	237.7	236.1	10.64	10.09	9.51	-26.0	-50.8	-30.7	1.18		