

Voltage Controlled Oscillator

ROS-ED8975A/3

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			
0.15	17.65	603.50	601.60	600.46	4.99	5.93	4.55	-30.34	-39.55	-51.71	0.28	1	-87
0.30	15.77	605.80	603.96	602.92	5.01	5.95	4.63	-30.15	-40.10	-53.02	0.24	10	-113
0.45	14.49	607.94	606.14	605.15	5.04	5.98	4.70	-30.29	-40.40	-53.83	0.18	100	-133
0.60	13.59	609.99	608.17	607.24	5.06	6.01	4.77	-30.07	-40.95	-53.44	0.17	1000	-153
0.75	12.99	612.03	610.12	609.21	5.06	6.03	4.82	-29.99	-41.18	-52.90	0.13		
0.90	13.05	614.30	612.08	611.07	5.05	6.04	4.84	-29.83	-41.48	-53.01	0.10		
1.05	14.77	616.26	614.30	612.96	5.07	6.03	4.81	-29.61	-41.56	-52.63	0.03		
1.20	11.84	617.93	616.07	615.09	5.12	6.04	4.77	-29.81	-41.52	-52.75	0.08		
1.35	10.32	619.57	617.62	616.94	5.13	6.08	4.86	-29.99	-42.06	-52.11	0.10		
1.50	10.18	621.17	619.15	618.49	5.12	6.07	4.98	-30.25	-42.32	-52.60	0.10		
1.65	10.05	622.77	620.65	619.97	5.14	6.07	5.04	-30.25	-42.30	-51.90	0.10		
1.80	10.09	624.37	622.17	621.47	5.14	6.06	5.08	-30.01	-42.82	-51.85	0.11		
1.95	9.95	625.93	623.66	622.95	5.14	6.08	5.12	-30.43	-42.38	-51.67	0.13		
2.10	9.77	627.48	625.13	624.41	5.13	6.06	5.14	-30.38	-43.25	-52.46	0.16		
2.25	9.79	629.01	626.60	625.87	5.16	6.05	5.15	-30.47	-43.46	-49.74	0.15		
2.40	9.77	630.55	628.06	627.32	5.15	6.08	5.16	-30.41	-42.72	-52.18	0.16		
2.55	9.51	632.05	629.49	628.74	5.14	6.07	5.21	-30.37	-44.41	-50.95	0.16		
2.70	9.53	633.55	630.92	630.18	5.17	6.05	5.21	-30.34	-44.58	-50.48	0.16		
2.85	9.55	635.06	632.35	631.60	5.16	6.04	5.21	-30.22	-44.54	-50.72	0.19		
3.00	9.52	636.57	633.78	633.03	5.14	6.07	5.25	-30.12	-44.97	-51.44	0.16		
3.15	9.51	638.07	635.20	634.45	5.19	6.05	5.26	-30.10	-45.01	-51.91	0.16		
3.30	9.48	639.57	636.62	635.86	5.19	6.04	5.26	-30.14	-45.24	-51.48	0.19		
3.45	9.49	641.07	638.05	637.29	5.18	6.09	5.25	-30.10	-45.64	-51.29	0.19		
3.60	9.57	642.59	639.48	638.72	5.23	6.07	5.31	-30.00	-46.98	-52.37	0.16		
3.75	9.55	644.10	640.92	640.14	5.22	6.06	5.31	-29.99	-46.08	-51.89	0.16		
3.90	9.57	645.61	642.35	641.56	5.22	6.05	5.31	-29.89	-46.19	-51.80	0.19		
4.05	9.61	647.13	643.79	642.99	5.21	6.10	5.37	-29.84	-47.56	-50.69	0.19		
4.20	9.61	648.65	645.24	644.43	5.29	6.10	5.37	-29.98	-47.59	-52.09	0.19		
4.35	9.70	650.19	646.69	645.87	5.29	6.09	5.37	-29.75	-48.51	-51.33	0.18		
4.50	9.79	651.74	648.16	647.33	5.29	6.16	5.37	-29.87	-48.14	-51.53	0.16		
4.65	9.87	653.31	649.64	648.80	5.37	6.15	5.44	-29.79	-48.70	-50.57	0.18		
4.80	10.07	654.89	651.15	650.30	5.37	6.15	5.45	-29.97	-48.46	-49.45	0.18		
4.95	10.04	656.49	652.66	651.79	5.38	6.23	5.46	-29.97	-48.62	-50.74	0.19		
5.10	10.18	658.09	654.18	653.31	5.45	6.23	5.53	-30.00	-49.90	-50.76	0.19		
5.25	10.33	659.72	655.73	654.84	5.47	6.24	5.54	-29.94	-48.90	-52.43	0.18		
5.40	10.43	661.37	657.30	656.39	5.48	6.25	5.55	-29.94	-51.34	-51.11	0.16		
5.55	10.50	663.02	658.87	657.95	5.57	6.32	5.63	-29.83	-51.02	-50.70	0.19		
5.70	10.63	664.70	660.47	659.54	5.59	6.33	5.64	-29.96	-50.86	-51.32	0.18		
5.85	10.87	666.41	662.10	661.14	5.61	6.34	5.66	-29.76	-51.73	-49.94	0.18		
6.00	10.85	668.10	663.73	662.75	5.69	6.43	5.74	-29.79	-51.58	-50.45	0.14		



P.O. Box 350186, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4861 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/MICROWAVE COMPONENTS

REV. X1
ROS-ED8975A/3
10/25/2007
Page 1 of 1