

Voltage Controlled Oscillator

ROS-860-319+

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			
0.0	57.66	700.9	692.7	685.3	5.41	6.56	6.75	-16.6	-50.4	-25.3	0.17	1	-80
0.3	56.87	715.3	707.2	700.4	5.25	6.40	6.60	-16.8	-54.2	-23.2	0.19	10	-106
0.5	49.61	728.8	721.4	714.9	5.41	6.29	6.14	-17.1	-55.4	-21.5	0.22	100	-128
0.8	43.97	740.4	733.8	728.1	5.52	6.45	6.34	-17.3	-51.5	-19.6	0.17	1000	-148
1.0	41.37	751.0	744.8	739.5	5.45	6.46	6.52	-17.4	-49.5	-18.7	0.15		
1.3	39.82	761.2	755.1	750.0	5.31	6.37	6.49	-17.3	-47.8	-19.0	0.14		
1.5	39.62	771.2	765.1	760.1	5.09	6.22	6.38	-17.5	-47.4	-19.4	0.13		
1.8	40.64	781.4	775.0	770.0	4.92	6.02	6.15	-17.9	-47.7	-20.4	0.14		
2.0	37.84	791.4	785.1	780.2	5.01	5.94	5.83	-18.0	-47.2	-21.0	0.14		
2.3	35.18	800.4	794.6	790.0	5.11	6.04	5.93	-17.9	-46.2	-20.5	0.13		
2.5	34.10	809.1	803.4	798.9	5.15	6.11	6.10	-17.9	-45.9	-20.7	0.14		
2.8	33.50	817.6	811.9	807.4	5.13	6.12	6.14	-18.0	-46.7	-21.2	0.15		
3.0	33.03	826.0	820.3	815.9	5.09	6.09	6.11	-18.2	-47.6	-21.5	0.16		
3.3	32.69	834.2	828.5	824.2	5.00	6.04	6.02	-18.5	-49.2	-22.2	0.16		
3.5	32.89	842.4	836.7	832.5	4.87	5.94	5.84	-18.9	-48.1	-22.9	0.16		
3.8	34.25	850.9	844.9	841.0	4.75	5.78	5.50	-19.0	-43.4	-23.5	0.19		
4.0	33.72	859.5	853.5	849.8	4.74	5.59	4.99	-19.1	-39.2	-24.7	0.29		
4.3	32.07	867.7	861.9	858.6	4.77	5.58	4.78	-19.4	-36.8	-24.9	0.28		
4.5	31.61	875.6	869.9	866.7	4.75	5.57	4.81	-20.0	-34.6	-24.9	0.28		
4.8	31.63	883.4	877.8	874.7	4.71	5.49	4.72	-20.8	-32.2	-25.4	0.33		
5.0	31.91	891.2	885.8	882.7	4.66	5.34	4.53	-21.5	-29.5	-26.3	0.45		
5.3	32.39	899.0	893.7	890.8	4.58	5.12	4.29	-22.3	-27.2	-26.7	0.61		
5.5	33.00	906.8	901.8	899.0	4.46	4.80	4.05	-23.5	-25.2	-27.3	0.76		
5.8	33.70	914.7	910.1	907.2	4.23	4.41	3.81	-25.6	-22.8	-28.3	0.83		
6.0	34.14	923.0	918.5	915.5	3.83	3.99	3.58	-28.0	-20.6	-28.6	0.81		
6.3	33.57	931.4	927.0	923.9	3.50	3.66	3.37	-29.6	-18.9	-28.8	0.72		
6.5	33.21	939.8	935.4	932.3	3.24	3.49	3.26	-29.3	-17.4	-29.6	0.63		
6.8	33.29	948.1	943.7	940.5	2.97	3.35	3.17	-28.3	-16.0	-29.3	0.55		
7.0	33.29	956.6	952.0	948.8	2.72	3.19	3.07	-28.2	-14.7	-29.1	0.47		

REV. X2
 ROS-860-319+
 101031
 Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant
 P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

