

Voltage Controlled Oscillator

ROS-150+

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			
0.00	6.36	62.0	59.4	58.8	7.06	6.62	6.23	-27.89	-35.72	-50.49	0.01	1	-79
0.50	5.96	64.7	62.5	62.2	8.06	8.04	7.84	-28.34	-35.85	-50.88	0.06	10	-103
1.00	6.44	67.7	65.5	65.3	8.34	8.54	8.44	-27.52	-35.67	-52.49	0.19	100	-127
1.50	5.75	70.9	68.7	68.5	8.52	8.77	8.69	-25.78	-36.00	-53.91	0.30	1000	-150
2.00	5.24	73.7	71.6	71.4	8.66	8.94	8.87	-24.39	-36.40	-55.16	0.22		
2.50	4.97	76.2	74.2	73.9	8.78	9.06	9.00	-23.30	-36.64	-55.19	0.18		
3.00	4.84	78.7	76.7	76.4	8.87	9.18	9.11	-22.43	-36.79	-54.83	0.16		
3.50	4.79	81.1	79.1	78.8	8.99	9.27	9.21	-21.78	-36.76	-53.40	0.14		
4.00	4.81	83.5	81.5	81.1	9.07	9.35	9.28	-21.23	-36.45	-51.81	0.13		
4.50	4.89	85.9	83.9	83.5	9.13	9.43	9.35	-20.81	-36.28	-50.98	0.13		
5.00	4.99	88.4	86.4	85.9	9.23	9.49	9.41	-20.53	-36.22	-50.01	0.13		
5.50	5.11	90.9	88.9	88.4	9.31	9.55	9.46	-20.31	-35.97	-48.95	0.13		
6.00	5.24	93.5	91.4	90.9	9.35	9.60	9.50	-20.12	-35.61	-47.72	0.14		
6.50	5.37	96.1	94.0	93.5	9.41	9.64	9.54	-19.99	-35.29	-47.14	0.15		
7.00	5.49	98.9	96.7	96.1	9.49	9.68	9.58	-19.84	-34.90	-46.35	0.17		
7.50	5.59	101.7	99.5	98.8	9.54	9.71	9.60	-19.68	-34.71	-45.52	0.19		
8.00	5.66	104.5	102.3	101.6	9.56	9.74	9.61	-19.54	-34.51	-44.80	0.22		
8.50	5.73	107.4	105.1	104.4	9.61	9.75	9.63	-19.44	-34.18	-44.46	0.25		
9.00	5.75	110.3	108.0	107.2	9.65	9.76	9.63	-19.41	-33.74	-44.20	0.27		
9.50	5.76	113.3	110.8	110.1	9.67	9.76	9.63	-19.40	-33.57	-43.59	0.29		
10.00	5.74	116.2	113.7	113.0	9.67	9.75	9.61	-19.45	-33.64	-43.04	0.31		
10.50	5.73	119.1	116.6	115.8	9.68	9.74	9.59	-19.46	-33.67	-42.88	0.33		
11.00	5.72	122.1	119.5	118.7	9.68	9.72	9.56	-19.39	-33.41	-42.77	0.33		
12.00	5.75	127.9	125.2	124.4	9.62	9.65	9.48	-19.17	-32.83	-42.29	0.33		
12.50	5.78	130.8	128.1	127.3	9.59	9.61	9.44	-19.06	-32.83	-42.42	0.33		
13.50	5.93	136.7	133.9	133.1	9.51	9.53	9.34	-19.01	-32.47	-42.34	0.32		
14.00	6.06	139.7	136.8	136.0	9.45	9.48	9.29	-19.04	-32.22	-42.82	0.32		
15.00	6.31	145.9	142.9	142.1	9.29	9.36	9.16	-19.00	-32.39	-42.62	0.34		
15.50	6.48	149.1	146.1	145.3	9.21	9.29	9.09	-18.95	-32.47	-42.96	0.38		
16.50	6.67	155.7	152.6	151.7	9.04	9.15	8.96	-19.08	-31.99	-43.58	0.46		
17.00	6.76	159.1	156.0	155.0	8.94	9.08	8.89	-19.12	-31.92	-43.46	0.53		
18.00	6.82	165.8	162.8	161.7	8.68	8.91	8.73	-18.86	-31.92	-44.44	0.70		
18.50	6.76	169.2	166.2	165.1	8.54	8.81	8.65	-18.60	-31.87	-44.59	0.78		
19.50	6.49	175.8	172.9	171.6	8.26	8.62	8.49	-18.41	-32.05	-45.57	0.94		
20.00	6.49	179.0	176.1	174.8	8.09	8.50	8.40	-18.49	-32.07	-46.40	0.98		

REV. X1
ROS-150+
070109
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

