

Voltage Controlled Oscillator

ROS-100+

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			
1.0	5.57	48.6	46.7	44.9	9.33	9.34	9.20	-38.9	-37.3	-48.7	0.26	1	-75
2.0	4.54	53.1	51.2	49.4	9.57	9.53	9.43	-39.4	-38.1	-47.7	0.32	10	-105
3.0	4.10	57.2	55.3	53.3	9.61	9.57	9.46	-36.8	-38.1	-47.0	0.32	100	-125
4.0	3.58	61.0	58.9	56.8	9.57	9.55	9.42	-36.1	-37.9	-46.8	0.13	1000	-145
5.0	3.65	64.8	62.5	60.4	9.49	9.48	9.33	-36.7	-37.6	-46.8	0.13		
6.0	3.65	68.5	66.2	63.9	9.37	9.37	9.22	-38.2	-37.2	-47.1	0.13		
7.0	3.90	72.4	70.1	67.6	9.23	9.24	9.08	-40.6	-36.8	-47.3	0.19		
8.0	3.90	76.6	74.0	71.4	9.08	9.09	8.93	-43.6	-36.6	-47.3	0.13		
9.0	4.22	81.0	78.2	75.3	8.93	8.94	8.77	-46.3	-36.8	-47.0	0.32		
10.0	4.22	85.4	82.4	79.4	8.75	8.76	8.60	-48.5	-36.9	-45.7	0.32		
11.0	4.29	89.8	86.7	83.5	8.56	8.57	8.40	-50.3	-37.0	-44.1	0.32		
12.0	4.35	94.3	91.1	87.7	8.34	8.37	8.18	-49.4	-37.3	-42.3	0.32		
13.0	4.42	98.9	95.5	91.9	8.11	8.14	7.95	-46.7	-37.3	-40.6	0.32		
14.0	4.48	103.5	100.0	96.2	7.87	7.90	7.70	-45.1	-37.3	-38.9	0.32		
15.0	4.48	108.1	104.4	100.5	7.62	7.66	7.45	-43.9	-36.9	-37.3	0.38		
16.0	4.54	112.7	109.0	104.9	7.37	7.43	7.21	-41.9	-36.2	-35.8	0.51		
17.0	4.42	117.2	113.4	109.2	7.12	7.21	6.99	-39.2	-35.6	-34.7	0.58		

REV. X1
ROS-100+
080709
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

