

Voltage Controlled Oscillator

ROS-300+

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	14.02	136.7	134.8	133.8	7.66	8.60	8.27	-23.7	-39.5	-41.6	0.19	1	-80
2.0	10.50	147.2	145.3	144.3	8.20	9.39	9.21	-30.2	-36.5	-42.8	0.13	10	-102
3.0	9.34	156.5	154.6	153.5	8.39	9.73	9.63	-37.9	-35.2	-44.1	0.06	100	-122
4.0	8.90	165.4	163.5	162.4	8.53	9.96	9.86	-49.9	-35.4	-44.4	0.13	1000	-142
5.0	9.02	174.5	172.5	171.5	8.63	10.11	9.96	-40.2	-36.3	-45.2	0.13		
6.0	9.73	184.3	182.3	180.9	8.59	10.14	10.04	-36.4	-36.8	-45.0	0.00		
7.0	10.11	194.4	192.4	191.1	8.59	10.22	10.10	-33.2	-37.4	-45.2	0.06		
8.0	11.07	205.7	203.5	202.0	8.61	10.25	10.13	-31.0	-37.4	-45.2	0.13		
9.0	11.52	217.0	215.0	213.6	8.60	10.19	10.05	-28.9	-37.2	-46.4	0.13		
10.0	12.22	229.6	227.2	225.7	8.40	10.01	10.00	-27.7	-38.5	-46.5	0.26		
11.0	11.90	241.4	239.1	237.6	8.23	9.92	9.90	-26.5	-38.4	-48.1	0.26		
12.0	12.54	254.0	251.6	250.1	7.97	9.72	9.66	-24.9	-38.9	-49.7	0.26		
13.0	12.67	266.5	264.3	262.6	7.73	9.46	9.35	-24.0	-38.9	-49.4	0.13		
14.0	12.99	279.6	277.3	275.8	7.16	8.95	8.87	-23.6	-40.6	-50.9	0.26		
15.0	14.14	294.1	291.5	289.7	6.76	8.46	8.50	-23.2	-42.4	-54.4	0.26		
16.0	13.44	307.2	304.9	303.3	6.39	8.05	8.15	-22.3	-43.1	-50.1	0.32		
17.0	13.95	321.0	318.8	317.4	5.74	7.45	7.53	-22.1	-43.0	-47.9	0.51		
18.0	13.57	334.8	332.4	331.0	5.18	6.89	6.92	-21.6	-43.6	-47.2	0.58		

REV. X1
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 Page 1 of 1



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