

Voltage Controlled Oscillator

ROS-1100V

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			
0.5	22.90	976.2	970.6	965.4	-2.10	-0.60	-0.06	-30.0	-45.0	-49.5	0.85	1	-80
1.0	18.10	985.0	979.7	974.6	-2.00	-0.49	0.01	-30.0	-45.2	-51.2	0.99	10	-103
1.5	15.80	992.8	987.6	982.6	-1.92	-0.31	0.13	-29.8	-46.0	-51.5	1.10	100	-123
2.0	14.40	999.9	994.8	989.8	-1.83	-0.32	0.24	-29.5	-45.5	-52.7	1.19	1000	-142
2.5	13.50	1006.6	1001.6	996.6	-1.71	-0.21	0.24	-29.3	-46.5	-54.2	1.26		
3.0	12.90	1013.0	1008.0	1003.0	-1.53	-0.03	0.45	-29.0	-46.5	-54.5	1.32		
3.5	12.40	1019.3	1014.2	1009.1	-1.42	0.11	0.53	-28.7	-46.8	-54.0	1.38		
4.0	12.10	1025.4	1020.3	1015.2	-1.25	0.24	0.67	-28.3	-46.8	-54.3	1.42		
4.5	12.00	1031.4	1026.3	1021.1	-1.18	0.42	0.79	-28.0	-47.0	-52.0	1.48		
5.0	11.90	1037.4	1032.2	1027.0	-1.06	0.50	0.96	-28.0	-46.8	-51.5	1.50		
5.5	11.90	1043.3	1038.2	1032.9	-0.87	0.60	1.09	-27.8	-47.8	-48.8	1.54		
6.0	11.90	1049.4	1044.2	1038.8	-0.81	0.82	1.14	-27.8	-47.8	-48.0	1.58		
6.5	12.00	1055.4	1050.2	1044.7	-0.81	0.89	1.36	-27.8	-49.2	-47.8	1.60		
7.0	12.20	1061.6	1056.3	1050.7	-0.84	0.92	1.41	-27.8	-49.3	-46.3	1.64		
7.5	12.30	1067.8	1062.4	1056.8	-1.06	0.89	1.43	-28.0	-49.2	-46.2	1.66		
8.0	12.50	1074.1	1068.7	1063.0	-0.95	0.68	1.39	-27.8	-49.0	-44.7	1.68		
8.5	12.70	1080.5	1075.1	1069.3	-1.01	0.80	1.17	-28.0	-50.7	-44.3	1.70		
9.0	12.90	1087.0	1081.5	1075.6	-1.11	0.72	1.30	-28.0	-49.5	-44.0	1.72		
9.5	13.00	1093.6	1088.0	1082.1	-1.18	0.64	1.23	-28.0	-50.7	-43.5	1.74		
10.0	13.10	1100.2	1094.5	1088.5	-1.21	0.62	1.13	-27.8	-49.8	-42.8	1.74		
10.5	13.10	1106.7	1101.1	1095.0	-1.24	0.58	1.11	-28.0	-49.5	-42.8	1.80		
11.0	12.90	1113.2	1107.5	1101.3	-1.30	0.51	1.09	-28.2	-49.7	-42.3	1.80		
11.5	12.60	1119.5	1113.8	1107.6	-1.36	0.48	1.00	-28.5	-49.7	-42.2	1.80		
12.0	12.30	1125.7	1120.0	1113.7	-1.31	0.44	0.98	-28.5	-48.8	-42.3	1.80		

REV. X1
ROS-1100V
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Page 1 of 1



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