

# Voltage Controlled Oscillator

ROS-535+

## 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	26.56	256.9	253.3	250.3	7.65	8.20	7.17	-27.4	-38.3	-37.0	0.38	1	-75
2.0	19.90	276.8	273.2	269.9	7.93	8.32	8.23	-33.6	-36.7	-36.0	0.06	10	-98
3.0	17.98	294.5	291.2	288.1	8.14	8.51	7.87	-27.4	-37.3	-34.0	0.26	100	-118
4.0	17.41	312.6	308.6	304.4	7.91	8.73	8.63	-29.2	-38.1	-35.9	0.00	1000	-138
5.0	17.15	329.0	325.8	322.9	7.32	7.85	7.87	-24.6	-33.2	-34.5	0.45		
6.0	19.71	349.2	345.5	341.8	8.14	8.18	8.56	-22.0	-33.1	-34.7	0.19		
7.0	19.33	369.2	364.8	360.0	7.26	9.03	8.10	-21.2	-35.3	-40.5	0.32		
8.0	19.07	387.3	383.9	380.5	7.93	7.80	8.00	-19.6	-35.8	-48.5	0.45		
9.0	21.95	410.0	405.8	402.1	6.67	7.98	7.20	-21.1	-35.9	-57.6	0.19		
10.0	20.42	430.2	426.2	421.2	7.47	7.00	7.47	-19.8	-36.0	-48.7	0.13		
11.0	17.98	448.3	444.2	440.5	6.02	6.64	6.34	-21.1	-37.3	-45.5	0.45		
12.0	20.35	469.1	464.6	460.5	6.47	6.79	6.24	-24.1	-35.1	-38.6	0.32		
13.0	19.14	488.3	483.7	478.8	4.77	5.43	5.67	-23.9	-31.6	-34.9	0.13		
14.0	16.13	504.4	499.8	494.5	4.85	5.26	5.39	-26.0	-30.8	-32.4	0.06		
15.0	12.03	516.5	511.9	506.8	4.75	5.62	6.00	-24.6	-32.8	-33.4	0.19		
16.0	12.67	528.8	524.5	522.2	4.31	6.31	4.86	-23.9	-38.3	-38.8	0.64		
17.0	14.53	542.8	539.1	534.8	4.62	4.79	4.62	-21.9	-38.8	-41.2	0.58		
18.0	11.33	553.4	550.4	544.9	5.05	4.30	4.47	-22.9	-42.1	-42.3	0.38		

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Page 1 of 1



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