

Voltage Controlled Oscillator

ROS-5400+

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			
0.0	41.8	4132.5	4111.6	4098.6	0.6	-0.4	-1.5	-32.0	-34.8	-52.6	3.4	1	-56
0.5	46.7	4156.1	4132.6	4119.6	0.8	-0.3	-1.4	-33.6	-32.9	-54.4	4.1	10	-83
1.0	43.8	4177.3	4155.9	4140.4	1.0	-0.2	-1.3	-34.0	-33.9	-55.4	4.7	100	-104
1.5	43.6	4198.5	4177.8	4164.4	1.1	-0.1	-1.2	-35.4	-35.7	-56.7	4.5	1000	-124
2.0	51.9	4223.2	4199.5	4187.0	1.1	0.0	-1.2	-35.4	-36.7	-53.1	4.8		
2.5	65.3	4252.9	4225.5	4211.1	1.2	0.0	-1.2	-35.1	-36.5	-54.7	6.1		
3.0	65.8	4283.1	4258.1	4240.8	1.2	0.0	-1.2	-36.4	-36.2	-51.5	7.1		
3.5	77.6	4318.7	4291.0	4276.1	1.1	0.1	-1.1	-37.9	-35.7	-49.5	6.8		
4.0	96.1	4362.9	4329.8	4311.5	1.0	-0.1	-1.2	-39.6	-35.7	-50.1	8.8		
4.5	95.9	4408.3	4377.8	4357.1	0.9	-0.1	-1.3	-39.3	-37.0	-51.3	9.2		
5.0	119.8	4467.2	4425.8	4405.3	0.7	-0.3	-1.3	-38.6	-41.1	-52.3	11.7		
5.5	123.9	4526.8	4485.7	4463.0	0.3	-0.3	-1.5	-40.0	-46.7	-48.5	10.4		
6.0	121.6	4592.5	4547.7	4518.1	0.1	-0.6	-1.6	-43.2	-43.3	-45.9	13.0		
6.5	129.5	4659.5	4608.5	4580.9	-0.1	-0.7	-1.7	-41.8	-35.7	-47.1	12.1		
7.0	120.2	4723.2	4673.2	4640.8	-0.3	-0.8	-1.9	-43.2	-33.5	-46.6	12.6		
7.5	124.5	4788.8	4733.3	4701.3	-0.2	-0.9	-1.9	-42.1	-31.9	-46.3	13.5		
8.0	121.8	4852.9	4795.6	4762.6	-0.4	-0.8	-2.1	-42.8	-31.8	-46.3	12.0		
8.5	113.6	4912.7	4856.5	4819.2	-0.4	-1.0	-2.1	-41.4	-33.0	-48.5	14.5		
9.0	125.0	4977.2	4913.3	4880.8	-0.2	-0.8	-2.1	-41.7	-33.3	-50.5	12.6		
9.5	106.3	5037.1	4975.8	4934.5	-0.4	-0.7	-2.3	-43.6	-32.5	-46.3	12.5		
10.0	113.2	5093.3	5028.9	4991.7	-0.3	-0.9	-2.0	-44.4	-35.0	-46.8	16.2		
10.5	107.5	5152.5	5085.6	5047.1	-0.4	-0.7	-2.4	-43.7	-37.4	-45.3	13.0		
11.0	103.6	5205.2	5139.3	5096.8	-0.3	-0.8	-2.1	-45.6	-35.7	-44.1	14.6		
11.5	100.3	5259.7	5191.1	5149.2	-0.2	-0.7	-2.3	-46.6	-33.3	-44.3	14.2		
12.0	93.7	5307.0	5241.2	5197.5	-0.2	-0.8	-2.2	-49.1	-32.4	-42.9	21.3		
12.5	89.0	5356.5	5288.0	5244.1	-0.1	-0.6	-2.4	-49.7	-33.0	-47.0	14.4		
13.0	90.5	5398.7	5332.6	5289.7	-0.1	-0.7	-2.2	-52.0	-33.5	-47.1	16.6		
13.5	72.6	5443.5	5377.8	5330.6	-0.2	-0.5	-2.3	-53.5	-34.6	-45.3	16.3		
14.0	88.0	5479.9	5414.1	5372.8	-0.1	-0.5	-2.2	-51.1	-37.0	-44.2	14.3		
14.5	63.9	5522.8	5458.1	5409.0	-0.4	-0.5	-2.1	-47.7	-39.6	-48.0	15.7		
15.0	77.2	5559.5	5490.1	5448.4	-0.3	-0.4	-2.5	-47.9	-40.2	-46.9	14.2		
15.5	64.0	5596.0	5528.7	5481.8	-0.5	-0.7	-2.1	-47.5	-42.7	-47.0	17.5		
16.0	57.4	5633.0	5560.7	5511.3	-0.6	-0.6	-2.3	-46.5	-41.4	-45.4	15.7		
16.5	65.2	5667.4	5589.4	5547.4	-0.4	-0.6	-2.6	-46.5	-44.1	-44.2	19.0		
17.5	48.2	5732.2	5654.8	5602.4	-0.7	-0.7	-2.5	-49.4	-41.5	-45.2	19.4		
18.0	40.9	5754.9	5678.9	5630.4	-0.6	-0.7	-2.9	-50.4	-42.9	-46.4	14.8		
19.0	40.9	5811.1	5734.1	5680.8	-0.9	-1.0	-2.6	-49.0	-40.8	-45.1	18.1		
19.5	33.8	5830.4	5754.6	5701.0	-0.9	-0.8	-3.0	-51.3	-41.4	-48.0	15.8		
20.5	39.9	5874.7	5798.3	5749.2	-1.1	-1.3	-3.2	-53.3	-41.8	-45.2	39.3		

Notes

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