

Voltage Controlled Oscillator

ROS-4540-119+

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	103.9	4288.6	4260.8	4250.2	5.1	5.0	4.6	-26.1	-35.3	-55.3	2.2	1	-68
0.3	69.1	4306.1	4286.8	4275.6	5.4	4.8	4.6	-26.4	-34.5	-60.6	3.1	10	-93
0.5	75.9	4326.2	4304.0	4298.6	5.4	5.2	4.7	-26.1	-35.4	-60.4	2.3	100	-116
0.8	77.7	4345.8	4323.0	4315.0	5.3	5.1	4.8	-26.8	-35.6	-61.9	2.9	1000	-137
1.0	83.0	4367.3	4342.4	4334.1	5.3	5.1	4.8	-27.6	-37.2	-61.6	3.1		
1.3	73.4	4382.7	4363.2	4353.3	5.5	5.0	4.8	-28.5	-37.3	-61.7	4.1		
1.5	66.7	4400.3	4381.5	4375.0	5.3	5.3	4.8	-27.8	-37.3	-61.6	2.7		
1.8	72.3	4418.7	4398.2	4390.2	5.1	5.1	4.9	-28.2	-37.9	-55.5	3.5		
2.0	76.3	4438.6	4416.3	4407.5	5.1	4.9	4.7	-27.7	-38.3	-53.2	3.9		
2.3	70.8	4455.7	4435.3	4425.4	5.3	4.9	4.6	-28.2	-37.5	-51.0	4.5		
2.5	67.4	4473.7	4453.0	4444.4	5.2	5.1	4.6	-28.1	-39.0	-48.6	3.6		
2.8	69.6	4492.5	4469.9	4460.5	5.1	5.1	4.8	-28.3	-38.9	-48.2	4.1		
3.0	69.7	4509.0	4487.3	4477.2	5.1	5.0	4.8	-28.0	-39.0	-46.3	4.4		
3.3	56.2	4524.7	4504.7	4494.3	4.8	5.0	4.8	-27.8	-39.2	-45.7	3.7		
3.5	58.4	4540.6	4518.7	4510.2	4.8	4.9	4.8	-27.7	-39.5	-44.5	3.8		
3.8	57.3	4556.2	4533.3	4523.7	4.9	4.7	4.6	-28.0	-39.8	-44.8	4.0		
4.0	55.2	4573.1	4547.6	4537.6	5.0	4.7	4.5	-28.2	-39.5	-45.4	4.0		
4.3	58.5	4584.9	4561.5	4551.0	5.1	4.8	4.5	-28.5	-40.2	-45.1	4.1		
4.5	40.9	4596.6	4576.1	4563.9	5.0	4.9	4.6	-28.5	-40.3	-44.2	4.3		
4.8	38.6	4607.9	4586.3	4576.9	4.9	5.0	4.7	-28.1	-40.6	-44.1	2.8		
5.0	37.0	4618.3	4596.0	4587.3	4.8	5.0	4.8	-28.2	-41.1	-43.9	2.9		
5.3	33.9	4627.5	4605.2	4595.8	4.7	5.0	4.8	-28.3	-41.4	-43.2	2.8		
5.5	30.4	4636.0	4613.7	4604.2	4.6	4.9	4.8	-28.2	-40.8	-43.9	2.8		
5.8	26.8	4643.9	4621.3	4611.9	4.5	4.8	4.7	-28.2	-40.8	-41.5	2.7		
6.0	24.4	4651.1	4628.0	4618.8	4.5	4.7	4.7	-28.2	-41.1	-42.2	2.8		
6.3	22.4	4657.7	4634.1	4625.0	4.6	4.6	4.6	-28.4	-41.1	-44.2	3.0		
6.5	20.3	4662.8	4639.7	4630.5	4.6	4.6	4.5	-28.5	-41.1	-42.6	3.2		
6.8	18.6	4667.4	4644.7	4635.5	4.7	4.5	4.5	-28.6	-41.1	-41.5	3.4		
7.0	18.6	4671.5	4649.4	4640.1	4.7	4.5	4.4	-28.7	-41.1	-41.8	3.7		

Notes

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