

Voltage Controlled Oscillator

ROS-615R+

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			
0.00	14.9	567.8	564.4	561.6	-1.9	-1.1	-0.9	-19.0	-28.2	-38.1	0.1	1	-87
0.25	13.4	571.4	568.1	565.5	-1.8	-1.0	-0.8	-19.2	-27.9	-37.6	0.1	10	-111
0.50	12.6	574.6	571.5	569.0	-1.8	-1.0	-0.8	-19.3	-27.7	-37.4	0.0	100	-132
0.75	12.1	577.7	574.6	572.2	-1.7	-0.9	-0.7	-19.4	-27.6	-37.3	0.0	1000	-153
1.00	11.7	580.7	577.6	575.2	-1.7	-0.9	-0.7	-19.5	-27.6	-36.7	0.0		
1.25	11.5	583.6	580.6	578.2	-1.7	-0.8	-0.7	-19.6	-27.6	-36.2	0.0		
1.50	11.4	586.5	583.5	581.0	-1.6	-0.8	-0.6	-19.6	-27.5	-35.6	0.0		
1.75	11.4	589.3	586.3	583.9	-1.6	-0.8	-0.6	-19.7	-27.4	-35.3	0.0		
2.00	11.5	592.2	589.2	586.7	-1.6	-0.7	-0.5	-19.8	-27.2	-35.0	0.0		
2.25	11.5	595.1	592.0	589.6	-1.5	-0.7	-0.5	-19.9	-27.1	-35.0	0.0		
2.50	11.7	598.0	594.9	592.4	-1.5	-0.7	-0.5	-19.9	-26.9	-34.9	0.0		
2.75	11.8	601.0	597.8	595.3	-1.5	-0.7	-0.4	-20.0	-26.8	-34.6	0.0		
3.00	12.0	604.0	600.8	598.2	-1.5	-0.6	-0.4	-20.2	-26.9	-34.1	0.0		
3.25	12.2	607.0	603.8	601.2	-1.5	-0.6	-0.4	-20.3	-27.0	-33.6	0.0		
3.50	12.4	610.1	606.9	604.2	-1.5	-0.6	-0.4	-20.4	-27.1	-33.3	0.0		
3.75	12.6	613.3	610.0	607.3	-1.4	-0.6	-0.3	-20.4	-27.1	-33.0	0.0		
4.00	12.7	616.4	613.1	610.4	-1.4	-0.6	-0.3	-20.5	-27.0	-32.6	0.0		
4.25	12.9	619.7	616.3	613.5	-1.4	-0.6	-0.3	-20.5	-26.8	-32.3	0.0		
4.50	12.9	622.9	619.5	616.7	-1.4	-0.6	-0.3	-20.5	-26.6	-31.9	0.0		
4.75	13.0	626.2	622.7	619.9	-1.4	-0.6	-0.3	-20.6	-26.5	-31.9	0.0		
5.00	12.9	629.5	626.0	623.1	-1.4	-0.6	-0.3	-20.7	-26.7	-32.0	0.1		
5.25	12.9	632.8	629.2	626.4	-1.4	-0.6	-0.3	-20.8	-26.8	-31.7	0.1		
5.50	12.7	636.0	632.4	629.6	-1.5	-0.6	-0.4	-21.0	-27.0	-31.3	0.1		
5.75	12.6	639.2	635.6	632.7	-1.5	-0.6	-0.4	-21.1	-27.0	-31.0	0.1		
6.00	12.4	642.4	638.8	635.9	-1.5	-0.6	-0.4	-21.2	-26.8	-30.8	0.1		
6.25	12.2	645.5	641.9	638.9	-1.5	-0.6	-0.4	-21.3	-26.8	-30.7	0.1		
6.50	11.9	648.6	644.9	642.0	-1.5	-0.6	-0.4	-21.3	-26.8	-30.7	0.1		
6.75	11.7	651.6	647.9	644.9	-1.5	-0.6	-0.4	-21.3	-27.1	-30.6	0.1		
7.00	11.7	654.6	650.8	647.8	-1.6	-0.6	-0.4	-21.2	-27.4	-30.4	0.1		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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