

Voltage Controlled Oscillator

ROS-39702PH19R+

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	64.8	3750.6	3731.6	3718.5	4.4	3.5	2.4	-27.2	-22.4	-34.0	0.3	1	-70
0.25	61.5	3766.8	3747.8	3735.1	4.4	3.6	2.5	-27.4	-24.0	-35.0	0.2	10	-98
0.50	60.4	3782.4	3763.2	3750.4	4.5	3.7	2.6	-26.2	-25.0	-35.0	0.1	100	-119
0.75	59.7	3797.6	3778.3	3765.2	4.4	3.7	2.7	-26.2	-24.1	-34.3	0.0	1000	-139
1.00	57.4	3811.8	3793.2	3779.8	4.4	3.7	2.7	-26.2	-22.0	-33.0	0.0		
1.25	54.9	3825.6	3807.5	3794.4	4.5	3.7	2.7	-25.6	-25.6	-33.6	0.0		
1.50	52.8	3839.2	3821.3	3808.5	4.6	3.7	2.7	-25.0	-21.5	-32.2	0.0		
1.75	54.5	3853.3	3834.5	3822.0	4.6	3.8	2.8	-26.2	-25.8	-32.9	0.1		
2.00	55.4	3867.6	3848.1	3835.0	4.5	3.8	2.9	-25.8	-22.3	-33.0	0.2		
2.25	55.8	3881.7	3862.0	3848.4	4.5	3.8	2.9	-25.9	-23.8	-33.4	0.2		
2.50	55.3	3895.3	3875.9	3862.2	4.5	3.8	2.9	-26.5	-24.7	-33.8	0.2		
2.75	54.3	3909.2	3889.7	3876.0	4.5	3.8	2.9	-26.5	-23.1	-33.2	0.2		
3.00	55.0	3922.8	3903.3	3889.6	4.5	3.8	2.9	-27.3	-24.5	-33.4	0.2		
3.25	52.7	3936.3	3917.0	3903.0	4.5	3.7	2.9	-27.2	-23.0	-32.8	0.3		
3.50	51.4	3949.5	3930.2	3916.5	4.6	3.8	2.9	-27.2	-23.8	-33.2	0.3		
3.75	50.6	3962.8	3943.1	3929.4	4.6	3.8	2.9	-26.4	-23.9	-33.3	0.3		
4.00	49.9	3976.0	3955.7	3941.9	4.6	3.8	3.0	-27.4	-23.2	-33.2	0.3		
4.25	49.0	3988.4	3968.2	3954.2	4.6	3.8	3.0	-26.5	-25.6	-33.5	0.3		
4.50	45.7	4000.3	3980.4	3966.2	4.6	3.8	3.0	-25.2	-24.0	-33.6	0.4		
4.75	43.6	4011.8	3991.9	3977.9	4.6	3.8	3.0	-26.2	-25.6	-34.8	0.3		
5.00	41.6	4023.1	4002.8	3988.9	4.6	3.8	3.0	-26.3	-24.2	-34.4	0.4		
5.25	40.0	4033.6	4013.2	3999.1	4.6	3.8	3.0	-25.7	-25.8	-35.6	0.4		
5.50	37.1	4043.0	4023.2	4008.7	4.5	3.8	3.0	-25.1	-23.7	-35.5	0.5		
5.75	33.1	4051.6	4032.4	4017.8	4.5	3.8	3.0	-25.2	-24.3	-36.1	0.5		
6.00	29.9	4059.3	4040.7	4026.3	4.5	3.7	3.0	-25.1	-25.5	-37.0	0.5		
6.25	27.0	4066.3	4048.2	4034.3	4.5	3.7	3.0	-25.0	-23.9	-36.7	0.5		
6.50	24.5	4073.0	4054.9	4041.4	4.5	3.7	2.9	-25.2	-24.4	-38.2	0.5		
6.75	22.7	4079.3	4061.0	4047.9	4.5	3.7	2.9	-25.6	-24.6	-38.8	0.6		
7.00	22.7	4085.4	4066.7	4053.9	4.5	3.7	2.9	-25.6	-23.1	-38.9	0.6		

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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