

Voltage Controlled Oscillator

ROS-244R+

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	7.1	154.9	153.8	153.0	9.1	8.6	7.9	-9.3	-34.6	-48.0	0.1	1	-94
0.50	5.9	158.3	157.4	156.7	9.0	8.6	7.9	-10.1	-34.6	-47.9	0.0	10	-120
1.00	5.3	161.2	160.3	159.6	8.9	8.6	8.0	-10.8	-34.6	-47.6	0.0	100	-140
1.50	5.0	163.9	162.9	162.3	8.9	8.6	8.0	-11.5	-34.6	-47.5	0.0	1000	-160
2.00	4.8	166.4	165.4	164.8	8.8	8.6	8.0	-12.1	-34.7	-47.4	0.0		
2.50	4.8	168.9	167.8	167.2	8.8	8.6	8.0	-12.7	-34.8	-47.6	0.0		
3.00	4.9	171.3	170.2	169.5	8.8	8.6	8.1	-13.3	-35.0	-47.7	0.0		
3.50	5.0	173.8	172.7	172.0	8.8	8.6	8.1	-13.9	-35.0	-48.2	0.0		
4.00	5.3	176.3	175.2	174.4	8.8	8.6	8.1	-13.9	-35.2	-48.2	0.0		
4.50	5.7	179.0	177.8	177.1	8.9	8.6	8.2	-14.5	-35.2	-47.8	0.0		
5.00	6.2	181.9	180.7	179.8	8.9	8.6	8.2	-15.0	-35.2	-47.1	0.0		
5.50	6.7	185.1	183.8	182.9	9.0	8.7	8.3	-16.1	-35.1	-46.5	0.0		
6.00	7.4	188.5	187.1	186.2	9.0	8.8	8.4	-16.6	-35.0	-46.1	0.0		
6.50	8.2	192.3	190.9	189.8	9.2	8.8	8.5	-17.1	-35.1	-45.8	0.0		
7.00	8.9	196.4	195.0	193.8	9.3	8.9	8.6	-17.8	-35.3	-45.5	0.0		
7.50	9.3	200.8	199.4	198.2	9.3	9.0	8.7	-17.9	-35.9	-44.6	0.0		
8.00	9.6	205.5	204.1	202.8	9.4	9.2	8.9	-18.7	-36.4	-43.9	0.0		
8.50	9.7	210.4	208.9	207.6	9.6	9.4	9.1	-20.5	-36.6	-43.7	0.0		
9.00	9.7	215.4	213.7	212.5	9.8	9.6	9.3	-21.4	-36.5	-44.3	0.0		
9.50	9.7	220.3	218.6	217.4	9.9	9.8	9.4	-22.2	-36.3	-45.3	0.1		
10.00	9.7	225.2	223.5	222.4	10.1	9.9	9.6	-22.4	-36.5	-46.1	0.1		
10.50	9.5	230.0	228.3	227.2	10.3	10.0	9.7	-23.7	-36.9	-45.7	0.1		
11.00	9.2	234.5	233.1	231.9	10.3	10.0	9.8	-24.3	-37.3	-44.7	0.2		
11.50	8.7	239.0	237.6	236.5	10.3	10.1	9.9	-24.9	-37.5	-43.6	0.2		
12.00	8.1	243.4	242.0	240.8	10.2	10.0	9.9	-25.4	-37.6	-42.9	0.2		
12.50	7.5	247.5	246.1	244.8	10.1	10.0	9.9	-25.9	-38.0	-42.2	0.2		
13.00	6.7	251.3	249.8	248.4	9.9	9.9	9.8	-25.8	-38.5	-41.4	0.2		
13.50	6.0	254.8	253.1	251.7	9.8	9.8	9.7	-26.2	-39.2	-40.9	0.1		
14.00	5.2	257.9	256.1	254.7	9.6	9.7	9.6	-26.8	-39.8	-40.6	0.1		
14.50	4.6	260.7	258.8	257.3	9.5	9.5	9.4	-26.7	-40.2	-40.9	0.1		
15.00	4.1	263.1	261.1	259.7	9.3	9.4	9.2	-26.8	-40.2	-41.3	0.0		
15.50	3.8	265.3	263.1	261.9	9.2	9.2	9.0	-27.0	-40.0	-41.9	0.1		
16.00	3.5	267.2	265.0	263.9	9.1	9.0	8.8	-27.0	-39.6	-42.5	0.1		
16.50	3.2	268.8	266.8	265.7	8.9	8.8	8.6	-26.9	-39.2	-43.1	0.1		
17.00	3.0	270.2	268.4	267.3	8.8	8.6	8.5	-27.2	-38.9	-43.7	0.1		
17.50	2.7	271.5	269.9	268.7	8.6	8.4	8.3	-27.2	-38.6	-43.9	0.1		
18.00	2.7	272.8	271.3	270.1	8.4	8.3	8.1	-27.2	-38.4	-44.2	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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