

Voltage Controlled Oscillator

ROS-200-719R+

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	7.0	130.2	129.9	129.9	8.6	8.1	7.6	-11.9	-29.7	-43.0	0.16	1	-95
0.50	5.6	133.8	133.4	133.4	8.6	8.2	7.7	-12.0	-30.0	-42.8	0.08	10	-122
1.00	5.0	136.6	136.2	136.1	8.7	8.3	7.9	-13.5	-30.1	-42.5	0.06	100	-142
1.50	4.6	139.2	138.7	138.5	8.8	8.4	8.0	-14.0	-30.2	-42.3	0.05	1000	-161
2.00	4.4	141.6	141.0	140.8	8.8	8.5	8.1	-14.6	-30.3	-42.0	0.05		
2.50	4.4	143.8	143.2	143.0	8.9	8.6	8.2	-14.7	-30.4	-41.8	0.04		
3.00	4.4	146.1	145.4	145.1	9.0	8.6	8.3	-15.3	-30.7	-41.5	0.04		
3.50	4.4	148.3	147.6	147.2	9.1	8.7	8.4	-16.3	-30.9	-41.4	0.04		
4.00	4.5	150.6	149.8	149.4	9.2	8.8	8.5	-16.9	-31.3	-41.2	0.03		
4.50	4.6	152.9	152.0	151.5	9.3	8.9	8.6	-17.4	-31.5	-41.1	0.03		
5.00	4.7	155.2	154.3	153.8	9.4	9.1	8.7	-17.5	-31.9	-41.0	0.03		
5.50	4.9	157.6	156.7	156.1	9.5	9.2	8.8	-18.1	-32.2	-40.9	0.03		
6.00	5.0	160.0	159.1	158.5	9.6	9.3	8.9	-18.9	-32.3	-40.6	0.02		
6.50	5.2	162.6	161.6	161.0	9.7	9.4	9.0	-19.1	-32.4	-40.5	0.02		
7.00	5.3	165.2	164.2	163.6	9.8	9.5	9.1	-20.0	-32.4	-40.2	0.02		
7.50	5.4	167.9	166.8	166.2	9.9	9.6	9.2	-20.2	-32.3	-40.0	0.03		
8.00	5.4	170.6	169.5	168.9	10.0	9.7	9.3	-21.1	-32.2	-39.9	0.05		
8.50	5.4	173.3	172.2	171.6	10.0	9.7	9.3	-21.5	-32.3	-39.8	0.08		
9.00	5.5	176.0	175.0	174.4	10.0	9.7	9.4	-22.0	-32.4	-39.8	0.11		
9.50	5.4	178.7	177.7	177.1	10.1	9.7	9.4	-22.4	-32.8	-39.9	0.13		
10.00	5.4	181.4	180.4	179.8	10.0	9.7	9.5	-22.8	-33.2	-39.8	0.14		
10.50	5.3	184.0	183.1	182.4	10.0	9.7	9.4	-22.8	-33.5	-39.8	0.14		
11.00	5.2	186.7	185.8	185.0	9.9	9.6	9.4	-23.1	-33.7	-39.7	0.13		
11.50	5.2	189.4	188.4	187.6	9.8	9.5	9.3	-23.5	-33.8	-39.6	0.12		
12.00	5.1	192.0	191.0	190.2	9.6	9.4	9.2	-24.1	-33.6	-39.7	0.10		
12.50	5.0	194.7	193.5	192.7	9.4	9.2	9.1	-24.0	-33.4	-39.9	0.08		
13.00	5.0	197.3	196.0	195.2	9.2	9.1	8.9	-24.3	-33.0	-40.0	0.06		
13.50	5.0	199.9	198.5	197.7	9.0	8.9	8.7	-24.3	-32.7	-39.9	0.05		
14.00	5.0	202.4	201.0	200.2	8.8	8.6	8.4	-24.2	-32.3	-39.5	0.06		
14.50	5.1	205.0	203.5	202.7	8.5	8.4	8.1	-24.1	-31.9	-38.6	0.09		
15.00	5.2	207.5	206.0	205.3	8.2	8.0	7.8	-24.0	-31.7	-37.8	0.12		
15.50	5.2	210.0	208.6	207.9	7.9	7.7	7.5	-23.9	-31.5	-36.9	0.13		
16.00	5.2	212.5	211.2	210.5	7.6	7.4	7.2	-23.8	-31.4	-36.3	0.13		
16.50	5.2	215.0	213.8	213.0	7.3	7.0	6.9	-23.6	-31.2	-36.0	0.14		
17.00	5.1	217.6	216.4	215.6	6.9	6.6	6.5	-23.4	-30.9	-35.8	0.14		
17.50	5.0	220.2	219.0	218.2	6.5	6.3	6.2	-23.0	-30.5	-35.7	0.15		
18.00	5.0	222.7	221.5	220.7	6.1	5.9	5.8	-23.1	-30.2	-35.6	0.17		

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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