

Voltage Controlled Oscillator

ROS-1150C-119R+

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	4.9	1137.6	1133.9	1131.0	3.1	3.1	2.9	-24.2	-32.6	-42.5	0.2	1	-96
0.50	3.9	1140.0	1136.4	1133.6	3.2	3.2	3.0	-23.9	-32.1	-42.8	0.1	10	-121
1.00	3.4	1141.9	1138.3	1135.6	3.2	3.2	3.0	-23.7	-31.7	-43.3	0.1	100	-141
1.50	3.2	1143.5	1140.0	1137.4	3.2	3.2	3.0	-23.6	-31.6	-43.7	0.1	1000	-161
2.00	3.0	1145.1	1141.6	1139.0	3.2	3.2	3.0	-23.4	-31.6	-44.3	0.1		
2.50	2.9	1146.6	1143.1	1140.5	3.3	3.2	3.0	-23.2	-31.7	-44.7	0.1		
3.00	2.9	1148.0	1144.6	1142.0	3.3	3.2	3.0	-23.0	-31.7	-45.3	0.1		
3.50	2.8	1149.5	1146.0	1143.4	3.3	3.2	2.9	-23.0	-31.8	-45.7	0.1		
4.00	2.9	1150.9	1147.4	1144.8	3.3	3.1	2.9	-23.0	-31.9	-46.1	0.0		
4.50	2.9	1152.3	1148.8	1146.3	3.3	3.1	2.9	-22.9	-31.9	-45.4	0.0		
5.00	3.0	1153.7	1150.3	1147.7	3.3	3.1	2.8	-22.9	-31.8	-44.7	0.0		
5.50	3.0	1155.2	1151.8	1149.2	3.3	3.0	2.8	-22.8	-31.6	-43.5	0.0		
6.00	3.1	1156.7	1153.3	1150.7	3.3	3.0	2.7	-22.9	-31.3	-41.8	0.0		
6.50	3.1	1158.2	1154.8	1152.3	3.3	2.9	2.6	-22.9	-30.9	-40.1	0.0		
7.00	3.1	1159.8	1156.4	1153.8	3.2	2.8	2.5	-22.8	-30.3	-38.8	0.0		
7.50	3.1	1161.3	1157.9	1155.4	3.2	2.7	2.4	-23.1	-29.5	-37.6	0.0		
8.00	3.1	1162.9	1159.5	1157.0	3.1	2.6	2.2	-23.2	-28.8	-36.6	0.1		
8.50	3.0	1164.4	1161.0	1158.5	3.0	2.5	2.1	-23.0	-28.0	-36.0	0.1		
9.00	2.9	1165.9	1162.5	1160.1	2.9	2.3	1.9	-23.2	-27.2	-35.8	0.1		
9.50	2.8	1167.3	1164.0	1161.6	2.8	2.2	1.7	-23.1	-26.6	-35.6	0.2		
10.00	2.8	1168.7	1165.4	1163.0	2.6	2.0	1.4	-22.8	-26.2	-35.3	0.2		
10.50	2.7	1170.1	1166.8	1164.5	2.4	1.8	1.1	-22.5	-26.0	-35.3	0.2		
11.00	2.6	1171.4	1168.1	1165.9	2.2	1.5	0.7	-22.1	-25.7	-35.0	0.2		
11.50	2.5	1172.6	1169.4	1167.2	2.0	1.3	0.3	-21.8	-25.7	-34.9	0.2		
12.00	2.4	1173.8	1170.6	1168.5	1.8	0.9	-0.1	-21.5	-25.9	-34.6	0.1		
12.50	2.3	1174.9	1171.8	1169.7	1.5	0.5	-0.7	-21.2	-26.2	-34.4	0.1		
13.00	2.3	1176.0	1173.0	1170.8	1.2	0.1	-1.2	-21.7	-26.7	-34.2	0.0		

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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