Voltage Controlled Oscillator ROS-EDR11292/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4	
0.0	74.4	522.0	521.1	509.0	7.7	5.5	4.9	-10.0	-34.6	-53.1	5.8
0.5	59.4	553.6	558.3	546.6	7.5	5.5	5.1	-10.0	-34.2	-55.5	4.8
1.0	52.2	583.2	588.0	577.1	6.9	5.5	5.0	-11.0	-34.8	-52.5	4.0
1.5	50.5	609.6	614.2	603.3	6.9	5.7	5.1	-13.7	-36.7	-49.5	3.5
2.0	49.3	635.1	639.4	628.4	6.7	5.7	5.2	-15.5	-39.0	-48.8	2.6
2.5	50.1	659.8	664.0	653.1	6.4	5.6	5.1	-15.5	-41.8	-49.5	1.9
3.0	51.6	685.0	689.1	677.6	6.2	5.5	5.1	-17.0	-46.5	-51.3	1.4
3.5	53.4	711.3	714.9	702.7	5.9	5.4	5.0	-20.9	-52.6	-51.7	1.0
4.0	56.0	738.8	741.6	728.6	5.6	5.4	5.0	-23.8	-49.5	-54.0	0.7
4.5	57.3	767.8	769.6	755.6	5.4	5.4	5.0	-25.8	-45.8	-56.1	0.4
5.0	59.4	797.6	798.2	783.6	5.4	5.5	5.0	-27.9	-44.2	-56.3	0.3
5.5	60.4	828.5	827.9	812.5	5.3	5.4	5.0	-29.6	-43.4	-58.4	0.1
6.0	61.9	860.1	858.1	842.1	5.2	5.3	4.9	-31.5	-43.7	-59.1	0.2
6.5	61.9	891.8	889.1	872.6	5.2	5.3	4.9	-31.9	-43.9	-58.3	0.6
7.0	61.5	923.3	920.1	903.4	4.9	5.1	4.8	-33.3	-45.0	-56.5	0.8
7.5	62.1	954.7	950.8	933.7	4.6	4.9	4.6	-34.4	-45.5	-54.4	1.0
8.0	59.7	986.3	981.8	963.7	4.6	4.8	4.5	-34.4	-48.1	-52.8	0.8
8.5	57.1	1016.6	1011.7	993.7	4.5	4.9	4.5	-37.1	-49.6	-52.5	0.3
9.0	56.5	1046.2	1040.2	1021.5	4.1	4.5	4.5	-42.2	-51.7	-52.9	0.3
9.5	53.4	1074.7	1068.5	1049.0	4.0	4.4	4.2	-48.6	-52.6	-52.4	1.0
10.0	51.7	1101.9	1095.2	1075.9	4.0	4.4	4.1	-48.4	-55.3	-49.5	1.7
10.5	50.0	1128.3	1121.1	1101.4	3.7	4.3	4.1	-49.7	-56.5	-48.0	2.4
11.0	48.7	1153.4	1146.0	1126.1	3.2	3.8	4.0	-45.9	-55.7	-46.8	2.9
11.5	46.5	1178.0	1170.4	1149.9	3.0	3.4	3.5	-43.9	-56.1	-45.0	3.4
12.0	46.5	1201.5	1193.6	1173.3	3.0	3.3	3.1	-43.6	-54.4	-43.8	3.8

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-78
10	-103
100	-123
1000	-144

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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