

# Voltage Controlled Oscillator

# ROS-1700W+

## 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			
0.0	69.78	613.4	598.5	582.7	10.81	10.84	10.67	-28.3	-23.6	-34.3	0.28	1	-71
1.0	67.78	683.1	668.3	653.1	11.07	11.01	10.74	-25.3	-22.8	-37.0	0.27	10	-97
2.0	64.49	750.9	736.1	720.9	11.29	11.15	10.67	-22.2	-22.1	-44.1	0.27	100	-119
3.0	62.68	815.7	800.6	785.8	11.39	11.13	10.59	-20.5	-22.5	-46.2	0.22	1000	-141
4.0	60.83	878.6	863.2	848.8	11.58	11.19	10.50	-19.0	-22.4	-46.1	0.17		
5.0	59.13	939.3	924.1	910.1	11.49	11.12	10.36	-18.2	-24.3	-43.0	0.15		
6.0	58.80	998.8	983.2	970.1	11.45	10.95	10.21	-18.2	-30.0	-40.5	0.09		
7.0	58.22	1057.3	1042.0	1029.8	11.37	10.75	9.96	-18.4	-32.4	-38.8	0.01		
8.0	57.65	1115.0	1100.2	1088.9	11.15	10.52	9.75	-19.0	-30.7	-37.8	0.12		
9.0	56.77	1171.7	1157.9	1147.8	10.99	10.36	9.49	-19.1	-29.1	-37.4	0.35		
10.0	55.20	1226.7	1214.6	1205.9	10.73	10.08	9.26	-20.2	-29.3	-41.3	0.50		
11.0	52.71	1280.7	1269.8	1262.0	10.30	9.68	8.93	-21.0	-29.1	-39.6	0.64		
12.0	49.67	1332.6	1322.6	1315.3	9.90	9.27	8.53	-21.6	-29.5	-37.6	0.78		
13.0	47.37	1381.4	1372.2	1365.4	9.53	8.90	8.19	-22.8	-29.6	-37.2	0.86		
14.0	44.06	1428.4	1419.6	1412.8	9.09	8.55	7.88	-25.0	-29.6	-37.3	0.87		
15.0	41.98	1472.5	1463.7	1456.7	8.70	8.22	7.61	-28.3	-29.4	-36.9	0.85		
16.0	38.94	1514.7	1505.6	1498.2	8.40	8.01	7.44	-32.9	-29.6	-37.9	0.78		
17.0	36.96	1554.2	1544.6	1536.8	8.23	7.93	7.39	-36.4	-29.6	-37.6	0.69		
18.0	35.89	1591.0	1581.5	1573.7	8.11	7.86	7.27	-34.2	-31.9	-41.6	0.73		
19.0	33.72	1627.4	1617.4	1609.1	7.95	7.65	7.06	-34.3	-33.0	-48.1	0.77		
20.0	30.98	1661.7	1651.1	1642.4	7.84	7.50	6.88	-34.0	-31.9	-50.1	0.70		
21.0	28.70	1693.0	1682.1	1673.0	7.79	7.38	6.77	-33.3	-30.7	-49.3	0.67		
22.0	26.49	1721.9	1710.8	1701.5	7.71	7.29	6.67	-32.5	-29.8	-50.5	0.67		
23.0	23.72	1748.5	1737.3	1727.7	7.64	7.21	6.56	-31.7	-29.0	-51.9	0.71		
24.0	20.96	1772.2	1761.0	1751.4	7.51	7.08	6.46	-31.3	-28.3	-53.1	0.76		
25.0	18.49	1793.4	1782.0	1772.2	7.38	6.92	6.31	-30.6	-27.8	-55.7	0.81		
26.0	18.49	1812.1	1800.5	1790.4	7.26	6.81	6.15	-30.4	-27.6	-55.8	0.83		

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