

Voltage Controlled Oscillator

JTOS-2700V+

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	66.80	1940.73	1926.76	1907.77	6.06	7.28	6.48	-19.47	-37.37	-48.46	0.94	1	-63
0.5	55.80	1974.61	1960.16	1941.42	5.78	7.50	6.96	-17.33	-29.67	-50.53	1.25	10	-90
1.0	48.47	2002.96	1988.06	1969.94	6.12	7.27	7.00	-15.98	-28.34	-45.54	1.21	100	-113
1.5	46.79	2027.37	2012.30	1995.61	6.30	7.73	6.96	-16.02	-28.14	-47.71	1.22	1000	-134
2.0	44.79	2051.40	2035.69	2018.68	6.21	7.77	7.30	-14.35	-29.10	-46.08	1.22		
2.5	43.68	2074.16	2058.08	2041.57	6.45	7.66	7.31	-13.83	-30.96	-45.96	0.93		
3.0	46.03	2096.35	2079.92	2064.35	6.61	7.92	7.27	-13.36	-29.66	-45.97	0.84		
3.5	46.81	2119.48	2102.94	2087.07	6.63	8.00	7.48	-12.78	-29.05	-46.81	0.91		
4.0	48.17	2143.63	2126.34	2111.11	6.85	8.04	7.49	-12.59	-32.12	-45.71	0.77		
4.5	52.10	2168.52	2150.43	2135.21	6.73	8.19	7.65	-12.81	-33.68	-44.64	0.78		
5.0	50.95	2195.02	2176.48	2159.83	6.90	7.95	7.75	-12.48	-36.42	-41.81	0.89		
5.5	52.38	2220.98	2201.95	2186.00	7.08	8.27	7.44	-12.88	-40.66	-40.53	0.88		
6.0	53.45	2247.06	2228.14	2211.08	6.61	8.36	7.94	-13.81	-40.48	-38.19	0.98		
6.5	51.18	2272.80	2254.87	2237.35	6.90	7.83	7.81	-12.97	-41.67	-36.10	1.08		
7.0	51.94	2297.79	2280.45	2264.11	6.97	8.24	7.34	-13.94	-42.69	-37.06	1.13		
7.5	53.18	2323.46	2306.43	2289.67	6.58	8.21	7.82	-14.37	-43.14	-36.55	1.45		
8.0	52.63	2348.19	2333.02	2316.61	6.57	7.83	7.61	-14.66	-41.47	-40.12	1.70		
8.5	54.83	2374.09	2359.33	2343.94	6.31	7.83	7.48	-16.48	-39.79	-38.89	2.22		
9.0	57.87	2399.68	2386.74	2371.77	6.18	7.47	7.46	-18.84	-37.54	-36.79	2.70		
9.5	60.33	2429.00	2415.68	2400.43	5.96	7.56	7.51	-21.92	-36.08	-36.81	2.97		
10.0	61.55	2460.97	2445.85	2429.78	5.31	7.06	7.66	-22.36	-34.97	-36.79	2.71		
10.5	61.89	2492.75	2476.62	2459.96	5.94	7.27	7.11	-22.09	-37.62	-35.56	2.18		
11.0	61.94	2524.78	2507.56	2489.38	5.45	7.64	7.80	-20.39	-34.23	-38.50	1.68		
11.5	58.98	2556.41	2538.53	2519.03	6.19	6.93	7.69	-19.63	-36.53	-37.74	0.88		
12.0	57.66	2587.38	2568.03	2548.26	6.39	7.82	7.42	-19.74	-40.08	-36.47	0.36		
12.5	55.53	2616.51	2596.85	2576.20	6.25	7.76	7.82	-19.68	-40.67	-36.88	0.27		
13.0	53.91	2645.29	2624.62	2603.30	6.71	7.71	7.52	-19.20	-39.67	-39.72	0.80		
13.5	52.07	2672.89	2651.57	2629.42	6.90	7.91	7.49	-18.92	-38.61	-39.99	1.37		
14.0	49.12	2701.05	2677.61	2654.67	7.36	7.93	7.54	-18.90	-39.49	-39.56	1.93		
14.5	46.12	2726.87	2702.17	2678.53	7.09	8.09	7.44	-20.06	-38.87	-44.32	2.38		
15.0	43.94	2750.59	2725.23	2701.10	7.69	7.81	7.46	-19.81	-38.77	-37.26	2.62		
15.5	42.10	2773.10	2747.20	2722.33	7.79	7.79	7.16	-19.89	-39.07	-35.08	2.84		
16.0	40.09	2794.67	2768.25	2742.39	7.37	8.09	6.78	-21.49	-38.10	-34.72	3.13		
16.5	37.97	2815.14	2788.29	2761.31	7.01	7.87	7.14	-21.34	-39.08	-37.37	3.32		
17.0	36.16	2834.84	2807.28	2779.68	7.85	7.25	6.98	-21.22	-38.15	-37.92	3.51		
17.5	34.46	2853.53	2825.36	2796.95	7.72	7.46	6.61	-21.46	-37.92	-36.34	3.63		
18.0	33.76	2872.05	2842.59	2813.54	7.27	7.74	5.90	-25.47	-35.64	-36.10	3.90		
18.5	31.93	2889.39	2859.47	2828.58	6.89	7.49	6.33	-25.76	-34.70	-37.21	3.88		
19.5	28.67	2922.36	2890.69	2857.95	7.52	6.63	6.20	-23.59	-34.05	-32.61	3.97		
20.0	28.67	2937.55	2905.03	2871.62	7.24	6.93	5.87	-21.55	-31.74	-34.20	3.87		



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