

Voltage Controlled Oscillator

ROS-835+

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	13.81	785.4	781.4	778.4	-1.20	-0.42	-0.27	-21.3	-41.5	-37.3	0.36	1	-87
0.3	12.80	788.7	784.9	782.0	-1.18	-0.40	-0.25	-21.3	-41.1	-37.4	0.40	10	-110
0.5	12.27	791.9	788.1	785.3	-1.16	-0.38	-0.23	-21.3	-40.7	-37.8	0.42	100	-130
0.8	12.00	795.0	791.2	788.3	-1.15	-0.37	-0.22	-21.3	-40.3	-37.9	0.43	1000	-149
1.0	11.93	798.0	794.2	791.3	-1.14	-0.36	-0.21	-21.3	-39.8	-37.6	0.44		
1.3	11.96	801.0	797.1	794.3	-1.14	-0.36	-0.21	-21.2	-39.4	-37.3	0.45		
1.5	12.08	804.0	800.1	797.3	-1.14	-0.35	-0.20	-21.2	-39.2	-37.1	0.47		
1.8	12.24	807.1	803.2	800.2	-1.14	-0.35	-0.20	-21.3	-39.0	-37.2	0.47		
2.0	12.46	810.2	806.2	803.3	-1.15	-0.36	-0.21	-21.4	-38.4	-37.5	0.48		
2.3	12.69	813.4	809.3	806.3	-1.16	-0.37	-0.22	-21.4	-38.3	-37.6	0.48		
2.5	12.90	816.7	812.5	809.5	-1.17	-0.38	-0.23	-21.3	-38.1	-37.4	0.48		
2.8	13.10	820.0	815.7	812.7	-1.18	-0.39	-0.24	-21.2	-37.8	-36.9	0.48		
3.0	13.25	823.3	819.0	815.9	-1.19	-0.41	-0.26	-21.1	-37.3	-36.6	0.48		
3.3	13.36	826.7	822.3	819.2	-1.21	-0.42	-0.28	-21.1	-36.9	-36.9	0.48		
3.5	13.40	830.1	825.7	822.5	-1.23	-0.44	-0.30	-21.1	-36.6	-37.3	0.47		
3.8	13.38	833.5	829.0	825.8	-1.25	-0.47	-0.33	-21.0	-36.3	-37.3	0.46		
4.0	13.30	836.9	832.3	829.1	-1.27	-0.49	-0.36	-21.0	-35.9	-37.1	0.45		
4.3	13.17	840.3	835.7	832.4	-1.30	-0.52	-0.39	-20.8	-35.5	-36.9	0.44		
4.5	13.00	843.6	839.0	835.7	-1.33	-0.55	-0.42	-20.7	-35.3	-36.7	0.43		
4.8	12.80	846.9	842.2	838.9	-1.35	-0.58	-0.46	-20.6	-35.2	-36.9	0.42		
5.0	12.56	850.1	845.4	842.1	-1.38	-0.61	-0.49	-20.7	-35.1	-37.2	0.42		
5.3	12.33	853.3	848.6	845.2	-1.42	-0.64	-0.53	-20.8	-34.9	-37.4	0.41		
5.5	12.09	856.4	851.6	848.3	-1.46	-0.68	-0.57	-20.8	-34.7	-37.3	0.41		
5.8	11.84	859.4	854.7	851.3	-1.50	-0.72	-0.61	-20.8	-34.6	-37.1	0.40		
6.0	11.60	862.4	857.6	854.3	-1.54	-0.76	-0.66	-20.7	-34.6	-37.2	0.40		
6.3	11.36	865.3	860.5	857.2	-1.59	-0.81	-0.71	-20.5	-34.4	-37.5	0.40		
6.5	11.12	868.2	863.4	860.0	-1.64	-0.86	-0.76	-20.4	-34.0	-37.6	0.39		
6.8	10.90	870.9	866.1	862.8	-1.69	-0.91	-0.81	-20.4	-33.7	-37.5	0.39		
7.0	10.90	873.7	868.9	865.5	-1.74	-0.96	-0.87	-20.4	-33.6	-37.5	0.38		

REV. X1

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