

Voltage Controlled Oscillator

ROS-745+

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	13.35	697.3	694.4	691.8	-0.24	0.60	0.82	-21.2	-34.4	-30.6	0.09	1	-88
0.3	12.35	700.6	697.7	695.3	-0.19	0.66	0.88	-21.4	-34.8	-30.6	0.13	10	-112
0.5	11.82	703.6	700.8	698.4	-0.14	0.71	0.94	-21.4	-35.2	-30.7	0.16	100	-133
0.8	11.56	706.6	703.7	701.3	-0.09	0.76	0.99	-21.4	-35.6	-30.4	0.19	1000	-154
1.0	11.47	709.5	706.6	704.2	-0.06	0.81	1.04	-21.4	-35.9	-30.1	0.21		
1.3	11.48	712.4	709.5	707.0	-0.02	0.86	1.09	-21.4	-36.2	-30.2	0.22		
1.5	11.58	715.4	712.4	709.9	0.02	0.91	1.14	-21.4	-36.6	-30.3	0.23		
1.8	11.72	718.3	715.3	712.7	0.07	0.96	1.19	-21.5	-37.0	-30.1	0.24		
2.0	11.89	721.4	718.2	715.6	0.11	1.01	1.24	-21.5	-37.4	-30.0	0.25		
2.3	12.06	724.4	721.2	718.5	0.16	1.05	1.30	-21.4	-38.0	-30.0	0.25		
2.5	12.22	727.5	724.2	721.5	0.22	1.10	1.34	-21.4	-38.4	-30.1	0.25		
2.8	12.36	730.6	727.2	724.5	0.28	1.15	1.39	-21.4	-38.9	-30.0	0.24		
3.0	12.45	733.8	730.3	727.5	0.33	1.20	1.43	-21.5	-39.4	-30.0	0.23		
3.3	12.50	737.0	733.4	730.6	0.38	1.27	1.48	-21.6	-40.1	-30.0	0.22		
3.5	12.49	740.1	736.6	733.7	0.43	1.31	1.53	-21.7	-40.5	-30.1	0.19		
3.8	12.43	743.3	739.7	736.7	0.48	1.35	1.56	-21.7	-41.0	-30.0	0.17		
4.0	12.32	746.5	742.8	739.8	0.52	1.38	1.60	-21.6	-41.2	-30.0	0.15		
4.3	12.18	749.6	745.9	742.9	0.56	1.41	1.62	-21.4	-41.3	-30.5	0.12		
4.5	12.01	752.7	748.9	745.9	0.60	1.43	1.64	-21.2	-41.1	-30.4	0.09		
4.8	11.82	755.7	751.9	748.9	0.64	1.46	1.66	-21.1	-40.9	-30.4	0.07		
5.0	11.62	758.7	754.9	751.8	0.66	1.48	1.67	-21.1	-40.5	-30.3	0.05		
5.3	11.42	761.6	757.8	754.7	0.68	1.50	1.69	-21.1	-40.1	-30.4	0.03		
5.5	11.23	764.5	760.6	757.5	0.69	1.51	1.70	-21.1	-39.8	-30.7	0.01		
5.8	11.04	767.3	763.4	760.3	0.69	1.50	1.70	-21.1	-39.5	-31.0	0.00		
6.0	10.85	770.1	766.2	763.1	0.68	1.50	1.70	-21.0	-39.2	-31.3	0.00		
6.3	10.66	772.8	768.9	765.8	0.67	1.49	1.69	-21.0	-39.1	-31.6	0.00		
6.5	10.47	775.5	771.6	768.4	0.65	1.47	1.69	-21.0	-38.8	-31.8	0.02		
6.8	10.28	778.1	774.2	771.0	0.63	1.46	1.68	-21.0	-38.6	-32.2	0.04		
7.0	10.28	780.7	776.8	773.5	0.61	1.44	1.67	-21.1	-38.4	-32.5	0.06		

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