

# Voltage Controlled Oscillator

# ROS-4077-119+

## 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	102.93	3779.6	3760.4	3750.3	3.03	2.91	2.53	-26.2	-43.3	-50.3	2.49	1	-72
0.3	93.14	3804.5	3786.1	3776.8	3.11	3.01	2.64	-25.9	-42.8	-49.5	1.80	10	-98
0.5	89.44	3827.8	3809.4	3799.9	3.10	3.05	2.79	-26.2	-42.6	-49.7	1.53	100	-120
0.8	84.28	3849.5	3831.8	3822.6	2.98	3.03	2.80	-25.7	-42.3	-49.8	1.31	1000	-140
1.0	82.68	3870.9	3852.9	3843.7	2.91	2.96	2.76	-25.7	-42.1	-50.7	1.21		
1.3	79.15	3891.1	3873.5	3864.2	3.08	2.90	2.67	-25.7	-41.8	-57.5	1.18		
1.5	75.63	3910.2	3893.3	3884.2	3.25	3.06	2.74	-25.4	-42.0	-56.8	1.17		
1.8	76.06	3929.8	3912.2	3903.2	3.23	3.23	2.91	-25.4	-42.1	-48.9	1.20		
2.0	76.13	3949.2	3931.2	3921.7	3.17	3.22	3.04	-25.4	-41.7	-46.3	1.33		
2.3	73.59	3967.9	3950.3	3940.7	3.12	3.13	3.03	-25.4	-41.8	-45.1	1.43		
2.5	70.70	3985.9	3968.7	3959.1	3.13	3.10	3.00	-25.1	-41.0	-43.5	1.55		
2.8	69.04	4003.7	3986.3	3977.0	3.20	3.12	2.95	-24.5	-40.5	-43.3	1.69		
3.0	69.56	4021.5	4003.6	3994.0	3.36	3.21	3.00	-24.4	-41.2	-43.1	1.90		
3.3	67.53	4038.8	4021.0	4011.2	3.35	3.32	3.08	-24.0	-40.5	-42.8	2.03		
3.5	65.76	4055.8	4037.9	4027.9	3.29	3.35	3.20	-23.5	-40.2	-42.3	2.21		
3.8	62.79	4072.2	4054.3	4044.3	3.20	3.29	3.21	-23.2	-39.7	-42.6	2.38		
4.0	62.13	4088.4	4070.0	4060.1	3.20	3.21	3.17	-22.9	-39.6	-42.4	2.56		
4.3	58.69	4103.7	4085.5	4075.2	3.25	3.18	3.10	-22.8	-38.8	-43.2	2.78		
4.5	54.57	4118.2	4100.2	4090.0	3.27	3.20	3.09	-22.7	-38.3	-43.7	2.96		
4.8	50.93	4131.9	4113.9	4103.7	3.42	3.30	3.12	-22.5	-38.4	-43.2	3.14		
5.0	47.66	4145.0	4126.6	4116.4	3.41	3.38	3.11	-22.5	-37.8	-42.9	3.26		
5.3	44.49	4157.0	4138.5	4128.2	3.32	3.42	3.26	-22.5	-37.8	-43.1	3.39		
5.5	40.44	4167.9	4149.6	4139.2	3.19	3.38	3.31	-22.3	-37.6	-42.7	3.35		
5.8	36.07	4177.7	4159.7	4149.3	3.08	3.30	3.26	-22.2	-37.5	-42.8	3.21		
6.0	32.10	4186.6	4168.8	4158.5	3.06	3.23	3.21	-22.1	-37.1	-42.7	2.96		
6.3	28.78	4194.6	4176.8	4166.6	3.03	3.16	3.12	-22.0	-37.5	-42.4	2.74		
6.5	25.71	4202.0	4184.0	4173.8	3.04	3.09	3.06	-21.9	-37.6	-42.8	2.44		
6.8	23.32	4208.3	4190.4	4180.3	3.04	3.07	3.02	-21.9	-37.3	-42.6	2.17		
7.0	23.32	4214.0	4196.2	4186.1	3.06	3.06	2.99	-22.0	-37.6	-42.9	1.96		

REV. X2  
 ROS-4077-119+  
 101031  
 Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant  
 P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

