

Voltage Controlled Oscillator

ROS-ED13129/1

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			
0.00	93.44	3119.42	3097.86	3083.14	4.46	3.52	3.26	-22.19	-21.67	-35.58	4.35	1	-75
0.25	82.94	3141.76	3121.22	3108.22	4.51	3.52	3.32	-21.64	-21.41	-35.22	2.69	10	-100
0.50	76.54	3161.79	3141.95	3129.09	4.52	3.54	3.37	-21.15	-20.79	-34.67	1.79	100	-120
0.75	73.73	3180.86	3161.09	3148.67	4.64	3.52	3.44	-20.98	-20.48	-34.81	1.28	1000	-140
1.00	71.17	3199.10	3179.52	3166.98	4.64	3.58	3.40	-20.05	-20.90	-35.06	1.28		
1.25	70.40	3217.15	3197.31	3184.96	4.72	3.58	3.53	-19.39	-20.90	-35.75	0.90		
1.50	70.40	3234.69	3214.91	3202.30	4.69	3.59	3.50	-19.32	-21.48	-36.19	0.77		
1.75	67.07	3251.71	3232.51	3219.84	4.67	3.63	3.59	-18.82	-21.75	-37.36	0.38		
2.00	70.91	3269.38	3249.28	3237.18	4.63	3.52	3.55	-18.54	-21.38	-37.45	0.38		
2.25	67.84	3286.34	3267.01	3254.08	4.49	3.52	3.54	-17.19	-23.20	-38.26	0.13		
2.50	70.66	3304.06	3283.97	3271.55	4.60	3.29	3.47	-16.91	-23.90	-36.91	0.13		
2.75	69.38	3321.28	3301.63	3288.77	4.35	3.41	3.32	-16.45	-24.30	-37.23	0.13		
3.00	69.12	3338.88	3318.98	3306.37	4.56	3.14	3.42	-15.54	-25.39	-35.66	0.13		
3.25	68.61	3355.90	3336.26	3323.46	4.40	3.25	3.13	-14.85	-25.90	-36.94	0.51		
3.50	64.00	3372.35	3353.41	3340.86	4.46	3.21	3.34	-14.69	-26.03	-37.19	0.77		
3.75	63.49	3388.48	3369.41	3357.31	4.36	3.14	3.18	-13.89	-26.27	-37.10	1.15		
4.00	61.95	3404.48	3385.28	3373.38	4.18	3.16	3.24	-14.30	-27.72	-38.09	1.66		
4.25	37.84	3419.20	3400.77	3388.61	4.32	2.86	3.25	-12.81	-27.39	-37.17	2.05		
4.50	51.71	3432.77	3415.17	3403.20	4.15	3.02	2.99	-12.82	-28.40	-37.91	2.18		
4.75	49.41	3445.89	3428.10	3417.34	4.14	2.96	3.11	-12.47	-28.64	-38.34	2.30		
5.00	45.06	3458.05	3440.45	3429.44	4.16	2.82	3.07	-12.01	-28.48	-37.99	2.30		
5.25	41.47	3469.31	3451.71	3440.77	4.04	2.89	2.94	-12.19	-27.85	-38.04	2.43		
5.50	38.14	3480.26	3462.08	3451.58	4.00	2.84	3.02	-12.21	-28.21	-38.26	2.05		
5.75	36.61	3490.69	3471.62	3460.99	4.10	2.74	3.05	-12.04	-28.22	-38.46	1.79		
6.00	36.61	3499.07	3480.77	3469.44	4.15	2.70	3.02	-12.22	-27.49	-37.81	1.54		



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

REV. X1
ROS-ED13129/1
2/5/2008
Page 1 of 1