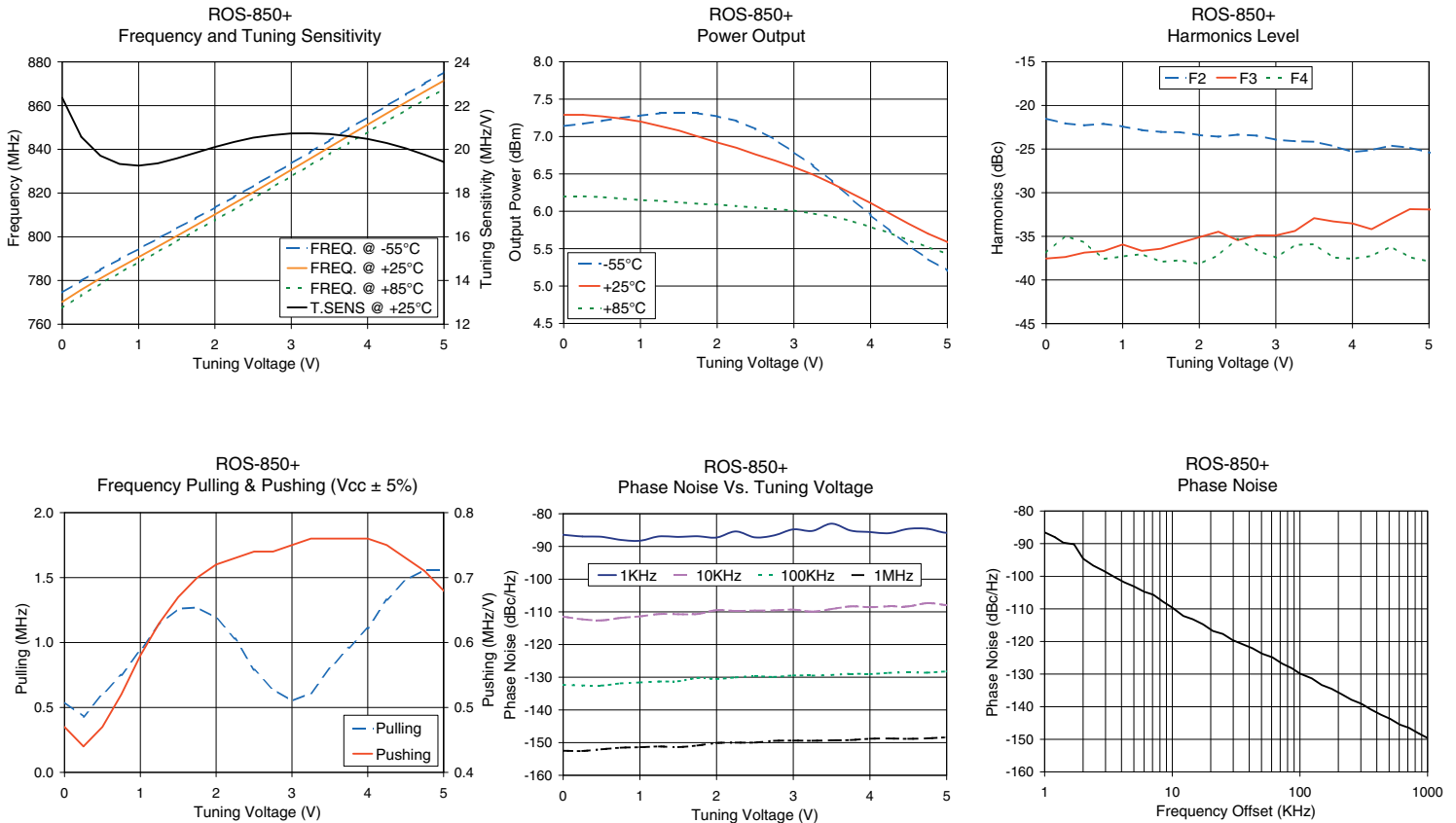


Performance Data & Curves*

ROS-850+

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			Icc (mA)	HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ. PULL (MHz)	PHASE NOISE (dBc/Hz) at offsets				FREQ OFFSET (KHz)	PHASE NOISE at 825 MHz (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C		F2	F3	F4			1kHz	10kHz	100kHz	1MHz		
0.00	22.36	774.5	770.2	767.4	7.14	7.29	6.20	22.26	-21.5	-37.5	-36.9	0.47	0.54	-86.4	-111.5	-132.4	-152.5	1.0	-86.54
0.50	19.71	784.9	780.9	778.5	7.21	7.27	6.19	22.23	-22.3	-36.9	-35.7	0.47	0.60	-87.0	-112.6	-132.6	-152.1	2.0	-94.60
0.75	19.33	789.7	785.9	783.5	7.25	7.24	6.17	22.20	-22.1	-36.7	-37.6	0.52	0.75	-88.0	-111.9	-131.9	-151.6	3.5	-100.17
1.00	19.25	794.4	790.7	788.4	7.28	7.20	6.15	22.18	-22.4	-35.9	-37.3	0.58	0.94	-88.2	-111.4	-131.6	-151.4	6.0	-104.71
1.25	19.36	799.1	795.5	793.2	7.31	7.14	6.14	22.16	-22.8	-36.7	-37.0	0.63	1.14	-86.9	-110.7	-131.3	-151.2	8.5	-107.87
1.50	19.59	803.8	800.4	797.9	7.31	7.08	6.12	22.14	-23.0	-36.4	-37.9	0.67	1.26	-87.1	-110.7	-131.2	-151.4	10.0	-109.61
1.75	19.84	808.5	805.2	802.8	7.31	7.00	6.10	22.13	-23.1	-35.7	-37.7	0.70	1.27	-86.9	-110.7	-130.2	-150.9	20.8	-116.78
2.00	20.11	813.3	810.2	807.6	7.27	6.92	6.09	22.11	-23.4	-35.1	-38.2	0.72	1.19	-87.3	-109.5	-130.5	-150.1	35.5	-120.84
2.25	20.34	818.2	815.2	812.6	7.21	6.85	6.07	22.11	-23.6	-34.5	-37.2	0.73	1.03	-85.4	-109.7	-130.1	-150.0	60.7	-124.84
2.50	20.53	823.2	820.3	817.6	7.10	6.76	6.05	22.10	-23.4	-35.4	-35.3	0.74	0.79	-87.2	-109.6	-129.7	-150.0	86.7	-128.24
2.75	20.65	828.4	825.5	822.6	6.96	6.68	6.03	22.11	-23.5	-34.9	-36.6	0.74	0.64	-86.6	-109.5	-129.9	-149.5	100.0	-129.85
3.00	20.73	833.6	830.6	827.7	6.79	6.59	6.01	22.10	-23.9	-34.9	-37.5	0.75	0.55	-84.8	-109.3	-129.5	-149.4	148.1	-133.34
3.25	20.73	838.8	835.8	832.7	6.61	6.49	5.97	22.10	-24.1	-34.4	-36.0	0.76	0.61	-85.3	-109.9	-129.5	-149.4	177.0	-134.52
3.50	20.70	844.1	841.0	837.8	6.40	6.37	5.93	22.09	-24.2	-32.9	-35.9	0.76	0.80	-83.0	-109.2	-129.3	-149.3	211.6	-136.14
3.75	20.60	849.4	846.2	842.9	6.17	6.24	5.87	22.08	-24.7	-33.3	-37.4	0.76	0.96	-85.1	-108.3	-128.9	-149.2	302.4	-139.08
4.00	20.48	854.7	851.3	847.9	5.95	6.11	5.79	22.07	-25.3	-33.5	-37.6	0.76	1.11	-85.6	-108.6	-129.0	-148.8	361.5	-140.90
4.25	20.29	859.9	856.4	852.9	5.74	5.97	5.71	22.05	-25.1	-34.2	-37.2	0.75	1.33	-86.0	-108.3	-128.7	-148.7	507.5	-143.70
4.50	20.05	865.1	861.5	857.9	5.54	5.83	5.61	22.04	-24.6	-33.0	-36.2	0.73	1.48	-84.6	-108.3	-128.6	-148.8	606.7	-145.51
4.75	19.74	870.2	866.5	862.8	5.36	5.70	5.52	22.02	-24.9	-31.9	-37.4	0.71	1.56	-84.6	-107.4	-128.6	-148.7	851.6	-148.18
5.00	19.42	875.3	871.4	867.6	5.21	5.59	5.43	22.01	-25.4	-31.9	-37.9	0.68	1.56	-85.8	-108.0	-128.3	-148.4	1000.0	-149.61

*at 25°C unless mentioned otherwise



ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.