

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
		@LO (dBm)				@LO (dBm)			@LO (dBm)		
		+4	+7	+10		+4	+7	+10	+4	+7	+10
0.001	3.0	5.43	5.26	4.97	0.001	67.63	71.79	76.50	69.01	72.81	70.88
0.002	3.0	5.18	4.96	4.76	0.002	71.83	75.56	75.83	74.44	77.65	79.57
0.005	3.0	4.98	4.92	4.61	0.005	69.88	73.77	74.22	70.62	80.99	81.31
0.010	3.0	4.96	4.88	4.59	0.010	71.05	71.40	74.45	68.14	77.86	83.21
0.020	3.0	5.04	4.84	4.64	0.020	69.84	71.49	74.87	69.35	76.56	85.54
0.050	3.1	5.04	4.84	4.61	0.050	70.21	72.03	74.69	70.02	78.05	87.17
0.100	3.1	5.00	4.79	4.59	0.100	69.18	71.80	74.02	70.42	78.10	88.51
0.200	3.2	5.06	4.88	4.63	0.200	69.14	71.48	72.78	68.69	77.93	87.64
0.500	3.5	5.07	4.86	4.64	0.500	70.02	71.98	73.98	69.66	77.73	86.90
0.700	3.7	5.11	4.83	4.66	0.700	69.63	71.60	74.21	69.38	76.54	83.75
1.000	4.0	5.13	4.88	4.66	1.000	69.95	71.65	74.26	67.97	75.42	80.75
1.430	4.4	5.12	4.91	4.71	1.430	69.04	71.81	74.32	67.12	71.58	78.74
2.000	5.0	5.16	4.91	4.72	2.000	69.59	72.01	73.92	65.05	69.03	74.17
2.858	5.9	5.15	4.97	4.78	2.858	69.83	71.64	74.13	62.29	64.97	67.88
4.287	7.3	5.22	5.16	4.88	4.287	68.89	71.16	73.59	57.52	59.46	61.57
5.001	8.0	5.24	5.17	4.89	5.001	68.83	71.48	73.39	56.20	58.01	60.19
6.429	9.4	5.36	5.18	4.97	6.429	68.26	70.78	73.48	52.70	54.45	56.48
7.143	4.1	5.24	5.21	4.95	7.143	67.65	70.73	72.52	51.64	53.39	55.39
8.572	5.6	5.34	5.23	5.11	8.572	67.23	70.34	72.22	49.07	50.80	52.61
10.000	7.0	5.54	5.22	5.22	10.000	68.45	70.10	71.76	46.90	48.53	50.21

Frequency Mixer

SRA-8+

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)			LO/RF (MHz)	max. DC output (mV)	DC Offset (mV)
	@LO (dBm)			@LO (dBm)				@LO (dBm)			@LO (dBm)		
	+4	+7	+10	+4	+7	+10		+4	+7	+10	+7		
0.001	1.58	1.41	1.30	1.78	3.30	7.11	0.101	1.62	1.47	1.38	0.001	-275.2	-0.11
0.002	1.54	1.37	1.27	1.64	2.70	4.36	0.201	1.58	1.44	1.35	0.005	-271.2	-0.13
0.005	1.54	1.38	1.28	1.57	2.54	3.76	0.420	1.58	1.43	1.35	0.010	-264.3	-0.13
0.010	1.53	1.37	1.28	1.55	2.46	3.67	0.740	1.59	1.44	1.36	0.020	-261.9	-0.13
0.020	1.54	1.37	1.28	1.56	2.41	3.56	1.001	1.58	1.44	1.36	0.050	-262.0	-0.12
0.050	1.54	1.38	1.29	1.51	2.32	3.35	1.698	1.59	1.44	1.37	0.100	-259.7	-0.12
0.100	1.53	1.38	1.28	1.50	2.29	3.30	2.001	1.59	1.44	1.36	0.200	-261.0	-0.12
0.200	1.54	1.38	1.29	1.46	2.21	3.16	2.656	1.60	1.45	1.37	0.500	-262.4	-0.13
0.500	1.54	1.37	1.28	1.39	2.10	2.93	3.294	1.60	1.45	1.37	0.700	-264.8	-0.13
0.700	1.53	1.37	1.28	1.31	1.98	2.76	4.253	1.62	1.47	1.39	1.000	-265.8	-0.13
1.000	1.53	1.37	1.29	1.29	1.95	2.67	5.001	1.64	1.50	1.42	2.000	-266.1	-0.13
1.430	1.52	1.37	1.28	1.29	1.94	2.63	5.530	1.64	1.50	1.42	3.334	-259.8	-0.13
2.000	1.52	1.36	1.28	1.31	1.96	2.64	6.169	1.65	1.52	1.43	4.167	-258.1	-0.12
2.858	1.50	1.37	1.28	1.35	2.01	2.74	7.001	1.68	1.55	1.46	5.000	-255.2	-0.12
4.287	1.50	1.36	1.28	1.38	2.03	2.75	7.446	1.69	1.56	1.47	5.834	-250.6	-0.12
5.001	1.49	1.36	1.28	1.39	2.02	2.71	8.085	1.71	1.58	1.49	6.667	-246.6	-0.09
6.429	1.49	1.36	1.27	1.39	1.98	2.67	8.404	1.72	1.58	1.51	7.000	-247.1	-0.10
7.143	1.48	1.36	1.28	1.35	1.94	2.58	9.043	1.74	1.62	1.54	7.500	-246.8	-0.13
8.572	1.48	1.36	1.28	1.34	1.92	2.55	9.362	1.75	1.61	1.54	8.333	-247.7	-0.09
10.000	1.48	1.35	1.27	1.34	1.90	2.51	10.000	1.78	1.65	1.57	10.000	-247.8	-0.11

REV. X1
SRA-8+
100527

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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED RoHS compliant

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