

Frequency Mixer

SYM-ED5890/1

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)		
		+7	+10	+13		+7	+10	+13	+7	+10	+13
10.0	40.0	8.16	6.86	6.46	40.0	67.1	71.6	76.7	81.6	70.1	66.2
42.6	72.6	7.95	6.85	6.45	72.6	61.9	66.5	71.0	74.2	67.1	62.3
84.3	114.3	7.86	6.76	6.36	114.3	58.5	62.0	66.0	63.9	61.1	57.5
125.9	155.9	8.07	6.67	6.37	155.9	55.3	58.8	64.3	58.0	56.5	54.2
167.5	197.5	7.89	6.69	6.49	197.5	52.9	56.7	60.5	54.0	52.7	51.5
209.1	239.1	7.60	6.60	6.50	239.1	51.1	55.0	57.9	50.3	49.1	48.5
250.8	280.8	7.46	6.66	6.56	280.8	49.8	53.1	55.6	46.9	46.2	46.1
292.4	322.4	7.39	6.69	6.49	322.4	48.3	51.1	53.2	44.0	43.7	44.3
300.0	330.0	7.38	6.68	6.58	330.0	48.1	50.8	52.7	43.6	43.3	43.8
334.0	364.0	7.32	6.62	6.52	364.0	46.9	49.9	51.4	41.9	42.0	42.4
375.6	405.6	7.24	6.84	6.54	405.6	45.6	48.3	50.4	39.9	40.1	40.8
417.3	447.3	7.32	6.92	6.72	447.3	44.8	47.4	48.7	37.9	38.6	39.1
458.9	488.9	7.15	6.85	6.75	488.9	43.2	45.6	46.4	36.1	37.4	38.5
500.5	530.5	7.31	6.91	6.81	530.5	41.3	43.9	46.1	35.4	36.3	37.3
542.1	572.1	7.26	7.06	6.96	572.1	40.5	41.8	43.0	34.3	35.2	36.0
583.8	613.8	7.25	6.95	6.95	613.8	39.6	41.2	41.9	33.3	34.5	35.2
625.4	655.4	7.23	6.93	6.93	655.4	38.9	40.4	41.1	32.5	33.7	34.7
667.0	697.0	7.37	6.97	6.97	697.0	38.2	39.5	40.3	32.0	33.2	34.2
708.6	738.6	7.69	7.19	7.09	738.6	37.3	38.9	40.2	31.5	32.6	33.3
750.3	780.3	8.17	7.57	7.27	780.3	36.7	38.2	39.4	31.2	31.8	32.0

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Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+7	+10	+13	+7	+10	+13		+7	+10	+13
40.0	1.97	1.59	1.39	3.01	1.42	1.26	1.0	2.37	1.97	1.65
72.6	1.92	1.52	1.33	2.88	1.46	1.28	5.0	2.32	1.94	1.63
114.3	1.84	1.43	1.22	3.01	1.51	1.31	41.3	2.30	1.92	1.62
155.9	1.76	1.33	1.17	3.11	1.55	1.33	82.6	2.30	1.94	1.64
197.5	1.69	1.30	1.16	2.96	1.54	1.32	123.8	2.23	1.91	1.63
239.1	1.57	1.23	1.12	2.96	1.48	1.35	165.1	2.27	1.97	1.70
280.8	1.44	1.18	1.08	2.58	1.42	1.37	206.3	2.27	1.99	1.74
322.4	1.40	1.14	1.05	2.61	1.37	1.41	247.6	2.32	2.06	1.80
330.0	1.38	1.13	1.05	2.58	1.38	1.41	288.8	2.49	2.16	1.91
364.0	1.35	1.10	1.04	2.37	1.31	1.41	330.1	2.65	2.32	2.04
405.6	1.27	1.10	1.04	2.14	1.27	1.46	371.3	2.76	2.43	2.16
447.3	1.22	1.08	1.07	1.88	1.23	1.51	412.6	2.96	2.58	2.30
488.9	1.16	1.08	1.12	1.65	1.23	1.60	453.8	3.01	2.72	2.40
530.5	1.16	1.09	1.15	1.61	1.21	1.56	495.1	3.21	2.88	2.55
572.1	1.13	1.11	1.17	1.56	1.23	1.60	536.3	3.32	2.96	2.68
613.8	1.10	1.12	1.17	1.51	1.23	1.59	577.5	3.38	3.06	2.80
655.4	1.07	1.11	1.17	1.42	1.23	1.61	618.8	3.50	3.21	2.96
697.0	1.07	1.07	1.11	1.34	1.24	1.64	660.0	3.64	3.32	3.01
738.6	1.13	1.03	1.02	1.25	1.24	1.62	701.3	3.57	3.26	3.06
780.3	1.23	1.11	1.08	1.20	1.28	1.67	742.5	3.57	3.32	3.11