

Frequency Mixer

SYM-EDR5157

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)		
		+14	+17	+20		+14	+17	+20	+14	+17	+20
450.0	1150.1	6.49	6.09	6.10	700.0	38.0	35.5	33.4	42.9	42.3	40.2
450.0	1270.1	6.55	6.34	6.35	720.0	37.8	35.6	33.4	42.9	42.3	40.4
450.0	1300.1	6.34	6.31	6.14	740.0	37.8	35.6	33.2	42.9	42.2	40.5
450.0	825.0	6.71	6.50	6.44	760.0	37.4	35.2	32.8	42.8	42.0	40.3
450.0	880.0	6.53	6.39	6.39	780.0	37.1	35.0	32.7	42.4	41.8	40.2
451.5	1334.0	6.40	6.36	6.30	800.0	36.8	34.9	33.0	42.0	41.6	40.3
453.1	1367.8	6.47	6.39	6.32	825.0	36.6	34.8	32.9	41.7	41.6	40.4
453.3	827.5	6.71	6.54	6.49	828.0	36.5	34.8	32.9	41.8	41.6	40.5
453.3	905.0	6.47	6.35	6.35	831.0	36.5	34.7	32.8	41.7	41.6	40.6
454.0	1174.1	6.67	6.34	6.25	834.0	36.5	34.7	33.0	41.7	41.6	40.4
454.0	1279.0	6.49	6.31	6.33	837.0	36.5	34.7	32.9	41.8	41.6	40.5
454.6	1401.6	6.35	6.24	6.20	840.0	36.5	34.7	32.8	41.7	41.6	40.5
456.2	1435.5	6.39	6.26	6.22	850.0	36.4	34.6	32.7	41.7	41.5	40.4
456.7	830.0	6.61	6.45	6.42	880.8	35.8	34.3	32.6	41.5	41.4	40.3
456.7	930.0	6.38	6.25	6.25	911.5	35.6	34.3	32.9	41.8	41.7	40.7
457.7	1469.3	6.47	6.26	6.18	942.3	35.7	34.2	32.7	42.1	41.8	40.8
458.0	1198.1	6.40	6.16	6.13	973.1	35.4	34.2	32.8	42.2	42.1	40.9
458.0	1286.1	6.32	6.19	6.22	1003.9	35.3	34.3	33.2	42.4	42.2	41.4
459.2	1503.2	6.33	6.14	6.05	1034.6	35.4	34.3	33.2	42.7	42.8	41.8
460.0	832.5	6.56	6.39	6.35	1065.4	35.2	34.2	33.2	42.9	43.1	41.8
460.0	955.1	6.54	6.32	6.26	1096.2	35.0	34.4	33.4	43.1	43.5	42.3
460.8	1537.0	6.38	6.14	6.08	1126.9	35.2	34.5	33.5	43.5	43.8	42.7
462.0	1222.1	6.65	6.36	6.27	1157.7	35.1	34.4	33.4	43.8	43.7	42.5
462.0	1294.1	6.37	6.36	6.23	1188.5	34.9	34.6	33.7	44.1	43.8	42.9
462.3	1570.9	6.35	6.07	6.01	1219.2	34.7	34.7	33.8	44.5	43.8	43.2
463.3	836.8	6.53	6.33	6.28	1250.0	34.1	34.4	33.6	44.4	43.6	42.9
463.3	980.1	6.24	6.09	6.09	1270.0	33.6	34.1	33.6	44.1	43.5	42.9
463.9	1604.7	6.25	5.94	5.81	1276.0	33.6	34.1	33.6	43.8	43.5	43.2
464.0	1300.1	6.34	6.28	6.20	1282.0	33.5	34.1	33.6	43.9	43.5	43.2
465.4	707.8	7.03	6.69	6.39	1288.0	33.5	34.0	33.7	43.8	43.4	43.2
466.0	1246.1	6.45	6.28	6.22	1294.0	33.4	33.9	33.7	43.7	43.4	43.3
466.7	837.5	6.55	6.36	6.33	1300.0	33.3	33.9	33.7	43.6	43.3	43.4
466.7	1005.1	6.47	6.35	6.26	1320.0	33.2	33.8	33.6	43.4	43.3	43.7
466.9	738.6	6.81	6.49	6.32	1345.7	33.0	33.6	33.3	43.1	43.1	43.5
468.5	769.3	6.87	6.60	6.40	1371.4	32.8	33.4	33.4	42.4	42.8	43.5
470.0	1270.1	6.57	6.38	6.30	1397.1	32.8	33.4	33.5	42.2	42.7	43.5
470.0	1310.1	6.44	6.36	6.18	1422.9	32.8	33.2	33.3	42.1	42.7	43.8
470.0	800.1	6.79	6.60	6.40	1448.6	32.7	33.1	33.0	41.7	42.6	43.8
470.0	840.0	6.60	6.38	6.33	1474.3	32.6	33.0	33.1	41.4	42.4	43.9
470.0	1030.1	6.40	6.16	6.08	1500.0	32.6	33.0	32.9	41.1	42.3	43.7

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20
700.0	2.27	2.15	2.07	1.40	1.30	1.80	100.1	1.29	1.09	1.07
720.0	2.26	2.14	2.08	1.38	1.29	1.67	123.0	1.29	1.09	1.08
740.0	2.26	2.14	2.07	1.46	1.30	1.76	145.8	1.29	1.10	1.09
760.0	2.28	2.16	2.08	1.56	1.31	1.88	168.7	1.28	1.10	1.10
780.0	2.30	2.17	2.10	1.57	1.32	1.79	191.5	1.28	1.10	1.11
800.0	2.30	2.18	2.10	1.50	1.28	1.64	214.4	1.27	1.11	1.12
825.0	2.28	2.17	2.09	1.57	1.28	1.66	237.2	1.27	1.11	1.14
828.0	2.29	2.17	2.10	1.59	1.29	1.64	260.1	1.26	1.12	1.15
831.0	2.29	2.18	2.10	1.60	1.30	1.67	282.9	1.25	1.12	1.17
834.0	2.30	2.18	2.10	1.62	1.30	1.69	305.8	1.24	1.13	1.19
837.0	2.30	2.19	2.11	1.66	1.30	1.71	328.6	1.24	1.14	1.20
840.0	2.31	2.19	2.11	1.67	1.30	1.73	351.5	1.23	1.15	1.22
850.0	2.32	2.20	2.11	1.70	1.31	1.78	374.3	1.23	1.16	1.23
880.8	2.34	2.22	2.14	1.61	1.28	1.62	397.2	1.23	1.17	1.25
911.5	2.34	2.21	2.13	1.68	1.26	1.57	420.0	1.23	1.19	1.27
942.3	2.35	2.22	2.13	1.81	1.29	1.69	450.0	1.22	1.20	1.29
973.1	2.36	2.23	2.14	1.68	1.25	1.54	452.9	1.22	1.20	1.29
1003.9	2.36	2.21	2.13	1.78	1.25	1.53	455.7	1.22	1.21	1.30
1034.6	2.36	2.22	2.12	1.87	1.26	1.59	458.6	1.22	1.21	1.30
1065.4	2.37	2.22	2.12	1.74	1.23	1.48	461.4	1.22	1.21	1.30
1096.2	2.34	2.18	2.09	1.86	1.23	1.49	464.3	1.22	1.21	1.30
1126.9	2.33	2.17	2.07	1.94	1.24	1.51	467.1	1.22	1.21	1.30
1157.7	2.30	2.14	2.04	1.81	1.21	1.41	470.0	1.22	1.21	1.31
1188.5	2.28	2.11	2.01	1.93	1.22	1.45	500.0	1.22	1.23	1.33
1219.2	2.23	2.06	1.97	1.92	1.20	1.44	518.8	1.22	1.24	1.33
1250.0	2.21	2.04	1.94	1.81	1.18	1.36	537.5	1.22	1.24	1.35
1270.0	2.19	2.02	1.92	1.89	1.19	1.38	556.3	1.22	1.25	1.36
1276.0	2.18	2.01	1.90	1.93	1.19	1.39	575.0	1.22	1.26	1.37
1282.0	2.17	2.00	1.89	1.97	1.19	1.39	593.8	1.22	1.27	1.37
1288.0	2.16	1.99	1.89	1.97	1.19	1.39	612.5	1.22	1.27	1.38
1294.0	2.15	1.98	1.89	1.97	1.20	1.38	631.3	1.21	1.28	1.39
1300.0	2.39	1.85	1.69	1.93	1.17	1.38	650.0	1.19	1.29	1.40
1320.0	2.14	1.97	1.87	1.86	1.17	1.35	668.8	1.21	1.29	1.41
1345.7	2.13	1.95	1.85	1.85	1.17	1.33	687.5	1.20	1.29	1.41
1371.4	2.13	1.93	1.83	1.92	1.15	1.35	706.3	1.20	1.29	1.42
1397.1	2.13	1.93	1.82	1.85	1.16	1.35	725.0	1.20	1.30	1.43
1422.9	2.13	1.91	1.80	1.80	1.13	1.32	743.8	1.20	1.30	1.44
1448.6	2.14	1.91	1.80	1.82	1.13	1.33	762.5	1.20	1.31	1.45
1474.3	2.13	1.89	1.77	1.84	1.13	1.33	781.3	1.19	1.32	1.46
1500.0	2.13	1.88	1.76	1.76	1.10	1.32	800.0	1.19	1.33	1.48