

Frequency Mixer

ZFVY-1-S

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)		
		+24	+27	+30		+24	+27	+30	+24	+27	+30
0.1	30.1	7.65	6.73	6.43	0.1	43.01	45.06	48.21	41.02	44.77	47.90
0.1	30.1	6.76	5.90	5.71	0.1	44.26	46.53	49.77	42.32	46.31	49.47
0.2	30.2	6.63	5.71	5.53	0.2	44.70	46.84	50.03	42.42	46.41	49.42
0.5	30.5	6.42	5.47	5.15	0.5	44.77	46.89	49.86	42.45	46.31	49.14
1.0	31.0	6.45	5.47	5.01	1.0	44.52	46.31	48.58	42.20	45.50	47.93
17.9	47.9	5.87	5.34	5.23	17.9	43.81	45.35	46.91	41.27	44.81	46.67
35.8	65.8	5.86	5.35	5.34	35.8	43.18	44.40	44.78	41.06	44.31	44.93
53.6	83.6	5.84	5.37	5.34	53.6	42.40	43.31	43.54	40.94	43.11	42.67
125.0	95.0	6.48	6.02	5.90	125.0	41.94	42.44	42.46	40.54	41.42	41.53
142.9	112.9	6.51	6.06	5.94	142.9	40.76	40.80	40.64	38.88	39.25	39.31
196.5	166.5	6.72	6.19	6.10	196.5	39.84	39.78	40.08	37.83	38.66	38.73
232.2	202.2	6.83	6.31	6.09	232.2	40.02	40.08	40.09	37.43	38.07	38.43
250.0	220.0	6.95	6.42	6.14	250.0	41.14	40.67	39.70	37.23	37.72	38.04
285.7	255.7	6.94	6.42	6.22	285.7	42.09	40.68	39.68	36.81	36.54	35.61
321.4	291.4	6.79	6.30	6.19	321.4	40.95	41.05	39.67	35.95	34.78	34.56
357.2	327.2	6.79	6.37	6.20	357.2	39.34	41.32	39.35	35.79	34.37	33.14
392.9	362.9	6.83	6.31	6.18	392.9	36.75	38.74	38.90	37.43	35.82	33.51
446.4	416.4	7.29	6.72	6.52	446.4	34.41	35.92	36.07	39.92	36.76	34.66
464.3	434.3	7.45	6.85	6.62	464.3	32.47	34.39	35.61	40.51	38.34	34.54
500.0	470.0	7.74	7.04	6.83	500.0	31.98	33.75	35.07	38.55	35.90	33.07

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+24	+27	+30	+24	+27	+30		+24	+27	+30
5.0	1.87	1.46	1.22	1.63	1.14	2.06	5.0	1.78	1.37	1.13
10.0	1.87	1.46	1.24	1.60	1.14	2.23	10.0	1.78	1.38	1.14
20.0	1.88	1.47	1.24	1.56	1.11	2.19	20.0	1.79	1.38	1.15
48.7	1.87	1.47	1.25	1.46	1.19	1.96	48.7	1.76	1.37	1.14
63.2	1.88	1.48	1.26	1.67	1.23	1.78	63.2	1.77	1.37	1.14
77.8	1.90	1.49	1.27	1.76	1.22	1.72	77.8	1.77	1.36	1.13
100.0	1.92	1.51	1.27	1.66	1.18	1.66	100.0	1.77	1.37	1.13
121.5	1.96	1.54	1.29	1.71	1.20	1.61	121.5	1.78	1.37	1.14
150.6	2.04	1.59	1.36	1.95	1.23	1.73	150.6	1.81	1.38	1.16
194.3	2.13	1.65	1.57	1.85	1.18	1.81	194.3	1.82	1.39	1.18
208.8	2.16	1.68	1.64	2.03	1.25	1.71	208.8	1.84	1.40	1.19
237.9	2.25	1.75	1.71	2.00	1.22	1.53	237.9	1.88	1.43	1.18
252.5	2.29	1.77	1.70	1.89	1.21	1.51	252.5	1.89	1.43	1.18
296.2	2.44	1.86	1.60	2.12	1.25	1.31	296.2	1.97	1.48	1.19
325.3	2.52	1.92	1.73	2.08	1.29	1.30	325.3	2.04	1.53	1.23
369.0	2.68	2.02	2.02	2.47	1.47	1.23	369.0	2.11	1.61	1.30
398.1	2.72	2.09	2.02	2.53	1.52	1.16	398.1	2.17	1.66	1.34
441.8	2.82	2.17	2.16	2.80	1.70	1.13	441.8	2.26	1.76	1.47
485.4	2.90	2.27	2.35	3.40	1.96	1.08	485.4	2.36	1.86	1.65
500.0	2.88	2.27	2.21	3.17	1.95	1.11	500.0	2.36	1.87	1.64