

Frequency Mixer

ADE-ED5921/2

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
343.5	373.5	9.76	6.46	5.56	373.5	38.7	39.5	39.5	37.8	32.8	32.8
404.3	434.3	8.81	5.91	5.41	434.3	37.9	30.4	40.2	37.6	34.2	32.6
465.2	495.2	8.15	5.85	5.45	495.2	36.9	38.7	39.4	36.7	36.1	31.8
526.1	556.1	7.93	5.93	5.53	556.1	36.4	38.1	39.3	37.3	35.8	31.0
587.0	617.0	7.69	5.99	5.69	617.0	35.7	37.5	38.6	38.7	34.4	29.1
647.8	677.8	7.43	5.93	5.63	677.8	35.2	37.6	38.7	40.0	32.1	27.5
695.0	725.0	7.36	6.06	5.76	725.0	35.1	37.7	39.2	43.2	31.9	27.0
708.7	738.7	7.25	6.05	5.65	738.7	35.1	37.6	38.9	43.6	31.5	26.7
769.6	799.6	7.37	6.17	5.67	799.6	34.9	37.3	38.5	40.4	30.2	25.7
805.0	835.0	7.13	6.13	5.73	835.0	34.9	37.1	38.3	36.4	28.6	24.9
830.4	860.4	7.30	6.10	5.80	860.4	35.1	37.4	38.5	34.6	28.1	24.5
891.3	921.3	7.50	6.30	5.80	921.3	35.1	37.9	38.6	30.8	26.6	23.2
925.0	955.0	7.66	6.36	5.86	955.0	35.0	38.4	38.8	29.6	26.2	23.1
952.2	982.2	7.62	6.42	5.92	982.2	35.3	38.6	39.3	28.5	26.0	23.3
960.0	990.0	7.61	6.41	5.91	990.0	35.3	38.9	39.2	28.1	26.0	23.3
1013.0	1043.0	7.72	6.52	6.02	1043.0	35.3	39.0	40.0	26.6	25.5	23.6
1073.9	1103.9	7.58	6.58	6.28	1103.9	34.9	39.3	41.7	24.5	24.0	23.3
1134.8	1164.8	8.04	6.94	6.54	1164.8	34.4	39.9	45.6	22.7	22.7	22.6
1195.7	1225.7	8.60	7.20	6.60	1225.7	34.0	40.5	56.7	21.7	21.5	21.8
1256.5	1286.5	9.15	7.75	7.15	1286.5	33.7	39.6	46.0	20.2	20.5	20.8

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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
373.5	1.82	1.23	1.15	5.49	3.38	2.58	0.5	2.72	1.73	1.43
434.3	1.69	1.16	1.18	5.49	3.26	2.43	0.8	2.76	1.75	1.43
495.2	1.58	1.13	1.20	5.33	2.92	2.32	1.0	2.80	1.77	1.44
556.1	1.54	1.09	1.13	4.77	2.65	2.16	20.9	2.68	1.73	1.44
617.0	1.50	1.13	1.15	4.89	2.61	2.16	25.0	2.61	1.73	1.46
677.8	1.44	1.13	1.17	4.77	2.43	2.18	41.8	2.68	1.74	1.46
725.0	1.40	1.12	1.15	4.32	2.30	2.12	50.0	2.61	1.73	1.46
738.7	1.36	1.11	1.14	4.12	2.23	2.12	62.6	2.76	1.76	1.46
799.6	1.41	1.16	1.18	4.12	2.25	2.23	83.4	2.68	1.75	1.48
835.0	1.34	1.16	1.18	3.79	2.16	2.27	104.2	2.65	1.74	1.50
860.4	1.36	1.17	1.18	3.86	2.20	2.32	125.1	2.55	1.73	1.51
921.3	1.40	1.25	1.25	3.44	2.16	2.40	145.9	2.55	1.73	1.54
955.0	1.53	1.34	1.34	3.50	2.18	2.43	166.7	2.58	1.77	1.56
982.2	1.55	1.40	1.41	3.50	2.20	2.46	187.6	2.58	1.78	1.58
990.0	1.54	1.40	1.42	3.38	2.20	2.49	208.4	2.61	1.81	1.61
1043.0	1.59	1.46	1.49	3.21	2.20	2.61	229.2	2.58	1.81	1.66
1103.9	1.71	1.60	1.61	2.92	2.23	2.65	250.1	2.55	1.81	1.69
1164.8	2.03	1.89	1.88	2.88	2.35	2.84	270.9	2.58	1.85	1.73
1225.7	2.52	2.32	2.27	2.61	2.35	2.88	291.7	2.65	1.88	1.74
1286.5	3.11	2.84	2.76	2.37	2.43	3.06	312.5	2.72	1.92	1.78