

Frequency Mixer

ADE-ED6941

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
568.4	653.8	7.15	5.95	5.65	653.8	35.9	37.9	39.3	38.4	38.9	37.4
657.9	743.3	6.59	5.79	5.49	743.3	34.0	36.0	37.2	43.1	40.4	36.7
747.4	832.8	6.35	5.65	5.25	832.8	32.9	35.4	36.9	43.8	37.2	33.9
836.8	922.2	6.50	5.80	5.50	922.2	32.4	34.9	36.3	41.3	34.1	31.4
851.0	936.4	6.50	5.90	5.60	936.4	32.1	34.3	35.5	35.5	31.5	29.2
854.6	940.0	6.56	5.86	5.56	940.0	32.1	34.2	35.3	34.8	31.2	28.9
861.0	946.4	6.70	5.90	5.60	946.4	32.1	34.1	35.3	34.7	31.2	28.8
864.6	950.0	6.68	5.78	5.58	950.0	31.9	34.1	35.2	34.6	31.0	28.7
870.0	955.4	6.68	5.88	5.58	955.4	32.0	34.1	35.0	34.3	30.8	28.7
914.6	1000.0	6.67	5.67	5.27	1000.0	32.0	34.0	35.1	34.0	30.9	28.6
926.3	1011.7	6.64	5.64	5.34	1011.7	32.1	34.4	35.2	31.6	29.5	27.9
1015.8	1101.2	6.54	5.74	5.34	1101.2	32.0	34.6	35.3	31.1	29.1	27.7
1105.3	1190.7	6.62	6.12	5.72	1190.7	31.8	34.1	35.4	28.1	28.0	26.7
1194.7	1280.1	6.86	6.26	5.96	1280.1	31.1	33.6	35.2	25.4	26.3	26.6
1284.2	1369.6	6.50	6.00	5.70	1369.6	29.8	33.0	35.3	23.0	24.0	24.9
1373.7	1459.1	6.70	6.00	5.70	1459.1	29.6	33.2	36.0	21.4	22.6	23.8
1414.6	1500.0	7.12	6.12	5.72	1500.0	29.3	33.9	38.0	20.6	21.9	23.4
1463.2	1548.6	7.40	6.70	6.00	1548.6	28.6	33.5	39.0	20.3	21.6	22.9
1552.6	1638.0	7.80	7.60	7.30	1638.0	28.6	32.8	39.2	20.1	21.1	22.3
1642.1	1727.5	7.84	7.74	7.64	1727.5	28.5	32.7	38.2	19.3	20.7	21.7

Frequency Mixer

ADE-ED6941

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
653.8	7.00	2.80	2.30	3.26	2.61	2.40	25.0	1.67	1.28	1.11
743.3	4.77	2.32	2.16	2.68	2.30	2.16	27.3	1.67	1.28	1.11
832.8	3.86	2.16	2.14	2.49	2.12	1.99	50.0	1.69	1.30	1.13
922.2	3.26	2.04	2.30	2.40	2.06	1.96	53.5	1.70	1.31	1.14
936.4	3.16	2.03	2.37	2.40	2.10	1.96	79.8	1.73	1.33	1.16
940.0	3.21	2.04	2.40	2.40	2.10	1.96	85.4	1.75	1.35	1.17
946.4	3.38	2.04	2.40	2.40	2.04	1.92	100.0	1.75	1.36	1.19
950.0	3.21	2.04	2.40	2.40	2.04	1.92	106.1	1.77	1.38	1.20
955.4	3.16	2.04	2.40	2.40	2.06	1.91	132.3	1.82	1.42	1.24
1000.0	2.96	1.97	2.40	2.25	1.89	1.76	158.6	1.87	1.46	1.28
1011.7	2.88	1.96	2.40	2.20	1.88	1.73	184.8	1.91	1.51	1.32
1101.2	2.55	1.96	2.52	1.81	1.66	1.59	211.1	1.96	1.56	1.38
1190.7	2.16	1.99	2.65	1.71	1.61	1.57	237.4	2.01	1.60	1.42
1280.1	1.89	2.06	2.88	1.50	1.43	1.41	250.0	2.01	1.61	1.44
1369.6	1.70	2.18	3.16	1.09	1.08	1.16	263.6	2.06	1.65	1.46
1459.1	1.62	2.35	3.38	1.34	1.44	1.54	289.9	2.14	1.71	1.53
1500.0	1.60	2.35	3.44	1.62	1.67	1.77	316.2	2.20	1.77	1.58
1548.6	1.69	2.55	3.79	2.10	2.14	2.18	342.4	2.27	1.84	1.64
1638.0	1.81	2.88	4.32	3.11	3.32	3.44	368.7	2.35	1.89	1.70
1727.5	1.99	3.01	4.32	4.03	4.12	4.32	394.9	2.49	1.99	1.80