

Frequency Mixer

ADE-ED6819/1

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)		
		+4	+7	+10		+4	+7	+10	+4	+7	+10
700.0	730.0	6.48	5.78	5.58	730.0	36.7	40.5	42.4	33.2	34.1	35.1
710.0	740.0	6.32	5.72	5.62	740.0	37.0	40.3	42.2	32.8	33.9	34.8
750.0	780.0	6.29	5.79	5.59	780.0	36.0	39.2	41.1	31.7	33.1	34.0
767.5	797.5	6.25	5.75	5.55	797.5	36.0	38.9	40.7	31.5	32.9	33.8
800.0	830.0	6.23	5.83	5.63	830.0	35.3	37.9	39.9	30.8	32.3	33.2
825.0	855.0	6.25	5.85	5.65	855.0	34.5	37.1	39.1	30.2	31.7	32.6
850.0	880.0	6.24	5.84	5.64	880.0	34.0	36.5	38.2	29.9	31.5	32.2
882.5	912.5	6.26	5.76	5.56	912.5	33.0	35.1	36.8	29.2	30.8	31.5
900.0	930.0	6.25	5.75	5.55	930.0	32.4	34.4	36.0	28.6	30.2	31.0
940.0	970.0	6.38	5.88	5.48	970.0	31.0	33.0	34.4	28.1	29.5	30.4
950.0	980.0	6.44	5.74	5.54	980.0	30.6	32.7	34.1	28.1	29.4	30.3
997.5	1027.5	6.53	5.83	5.53	1027.5	29.2	31.3	32.9	27.5	28.8	29.9
1000.0	1030.0	6.55	5.85	5.55	1030.0	29.0	31.2	32.9	27.3	28.7	29.8
1055.0	1085.0	6.92	6.12	5.72	1085.0	27.9	30.2	32.0	27.1	28.4	29.7
1100.0	1130.0	7.19	6.29	5.99	1130.0	27.3	29.3	31.3	26.7	28.0	29.2
1112.5	1142.5	7.32	6.52	6.12	1142.5	27.3	29.1	31.1	26.7	27.9	29.1
1150.0	1180.0	7.58	6.58	6.18	1180.0	26.9	28.9	30.6	26.4	27.6	28.6
1170.0	1200.0	7.74	6.74	6.34	1200.0	26.8	28.7	30.5	26.4	27.4	28.1
1200.0	1230.0	7.95	6.95	6.45	1230.0	26.7	28.3	29.7	26.5	27.2	27.8
1227.5	1257.5	8.27	7.27	6.77	1257.5	26.8	28.4	29.9	26.5	27.2	27.6

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+4	+7	+10	+4	+7	+10		+4	+7	+10
730.0	1.05	1.45	1.57	6.49	3.21	2.88	1.0	2.40	1.87	1.62
740.0	1.10	1.43	1.54	5.85	3.16	2.84	5.0	2.32	1.81	1.59
780.0	1.13	1.41	1.49	5.85	3.11	3.01	10.0	2.32	1.80	1.59
797.5	1.14	1.38	1.45	5.33	3.01	2.92	43.0	2.25	1.78	1.57
830.0	1.14	1.34	1.41	4.53	2.76	2.80	50.0	2.25	1.76	1.55
855.0	1.13	1.32	1.38	4.64	2.84	2.92	85.8	2.27	1.77	1.57
880.0	1.13	1.29	1.35	4.32	2.88	3.01	128.7	2.14	1.71	1.53
912.5	1.10	1.22	1.27	3.86	2.68	2.72	171.5	2.10	1.69	1.51
930.0	1.09	1.19	1.24	3.86	2.68	2.76	214.4	2.08	1.69	1.52
970.0	1.20	1.21	1.25	3.79	2.61	2.96	257.2	2.10	1.70	1.53
980.0	1.25	1.24	1.28	3.71	2.61	2.80	300.1	2.12	1.71	1.54
1027.5	1.54	1.51	1.51	3.16	2.49	2.80	342.9	2.16	1.75	1.58
1030.0	1.57	1.53	1.54	3.32	2.49	2.84	385.8	2.25	1.82	1.63
1085.0	2.04	1.92	1.89	3.26	2.43	2.80	428.6	2.30	1.88	1.68
1130.0	2.52	2.35	2.30	2.92	2.43	2.88	471.5	2.40	1.94	1.74
1142.5	2.61	2.49	2.37	2.92	2.43	2.92	514.3	2.46	2.01	1.78
1180.0	3.26	3.01	2.84	2.92	2.40	2.80	557.2	2.43	2.03	1.81
1200.0	3.44	3.21	3.01	2.68	2.35	2.84	600.0	2.46	2.06	1.85
1230.0	3.86	3.50	3.32	2.68	2.37	2.84	642.9	2.49	2.08	1.89
1257.5	4.22	3.95	3.64	2.61	2.32	2.84	685.7	2.46	2.06	1.88