

Frequency Mixer

ADE-ED6818/1

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
600.0	700.0	8.70	7.10	6.80	700.0	34.7	35.3	35.6	44.4	46.5	45.3
675.0	775.0	7.81	6.81	6.61	775.0	32.7	33.9	34.5	43.2	44.6	43.9
750.0	850.0	7.49	6.49	6.29	850.0	31.3	32.0	32.1	41.5	42.6	42.3
825.0	925.0	6.91	6.31	6.21	925.0	29.7	30.8	30.5	38.7	39.3	39.0
900.0	1000.0	6.93	6.23	6.03	1000.0	29.1	30.4	30.6	35.7	36.1	36.1
975.0	1075.0	7.15	6.35	6.05	1075.0	28.7	30.0	30.8	33.2	34.3	35.0
1000.0	1100.0	7.15	6.45	6.25	1100.0	28.5	29.9	30.8	32.7	34.0	34.6
1050.0	1150.0	7.08	6.38	6.18	1150.0	27.8	28.9	29.3	31.6	32.9	34.0
1100.0	1200.0	7.18	6.58	6.38	1200.0	27.6	28.4	28.1	30.7	32.1	33.3
1125.0	1225.0	6.95	6.45	6.35	1225.0	27.0	27.4	27.1	30.2	31.7	32.7
1200.0	1300.0	7.01	6.51	6.31	1300.0	27.3	27.2	26.5	29.5	30.6	31.2
1217.0	1317.0	6.93	6.53	6.33	1317.0	27.0	27.0	26.1	29.6	30.5	31.0
1237.0	1337.0	6.87	6.47	6.27	1337.0	26.9	26.7	25.7	29.6	30.4	30.9
1275.0	1375.0	6.96	6.46	6.26	1375.0	27.3	27.2	26.2	29.0	29.8	30.1
1300.0	1400.0	7.18	6.58	6.38	1400.0	27.7	27.7	26.5	28.9	29.6	29.7
1350.0	1450.0	7.32	6.72	6.42	1450.0	27.3	27.5	26.2	29.0	29.5	29.5
1400.0	1500.0	7.79	7.09	6.69	1500.0	27.7	27.8	26.4	27.9	28.6	28.5
1425.0	1525.0	7.94	7.34	6.84	1525.0	27.2	27.3	25.9	28.0	28.3	28.2
1500.0	1600.0	8.45	7.85	7.35	1600.0	26.7	27.1	25.9	26.9	27.6	27.4
1575.0	1675.0	8.73	8.33	7.83	1675.0	26.4	26.5	25.5	27.1	27.6	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
700.0	2.84	2.40	2.23	7.94	3.71	2.92	70.0	3.57	3.44	3.32
775.0	2.58	2.32	2.32	8.31	3.64	3.16	90.0	3.16	3.06	2.96
850.0	2.52	2.18	2.18	5.85	3.32	3.01	100.0	2.92	2.84	2.76
925.0	2.46	2.14	2.23	4.77	2.76	2.88	110.0	2.76	2.68	2.65
1000.0	2.37	2.03	1.96	3.86	2.72	2.96	120.0	2.52	2.46	2.43
1075.0	2.30	1.97	1.80	3.79	2.76	2.92	130.0	2.37	2.32	2.30
1100.0	2.40	2.14	1.96	3.57	2.80	3.26	188.5	2.23	2.14	2.12
1150.0	2.46	2.18	1.99	2.96	2.30	2.65	248.0	1.92	1.87	1.82
1200.0	2.30	2.06	1.94	3.26	2.84	3.44	307.5	2.03	1.97	1.92
1225.0	2.32	2.06	1.96	2.88	2.72	3.50	367.0	1.92	1.85	1.81
1300.0	1.88	1.70	1.68	2.68	2.58	3.32	426.5	1.87	1.77	1.73
1317.0	1.91	1.71	1.69	2.52	2.58	3.64	486.0	1.85	1.75	1.68
1337.0	1.92	1.65	1.61	2.20	2.37	3.26	500.0	1.82	1.70	1.64
1375.0	1.80	1.45	1.41	2.16	2.16	2.68	545.5	1.74	1.60	1.54
1400.0	1.80	1.45	1.40	2.30	2.40	3.06	605.0	1.62	1.47	1.41
1450.0	2.03	1.48	1.29	1.88	2.14	2.92	664.5	1.48	1.34	1.29
1500.0	1.88	1.39	1.19	2.10	2.30	3.16	724.0	1.44	1.23	1.15
1525.0	1.97	1.44	1.21	2.20	2.72	4.03	783.5	1.26	1.06	1.04
1600.0	1.91	1.45	1.15	1.92	2.23	2.92	843.0	1.43	1.22	1.14
1675.0	2.06	1.63	1.36	1.77	2.25	2.96	902.5	1.54	1.41	1.39