

Frequency Mixer

SKY-ED5798/1

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
2300.0	2200.0	7.67	6.27	6.07	2200.0	48.4	34.8	32.3	20.6	18.4	17.5
2310.0	2210.0	7.82	6.32	6.02	2210.0	49.0	35.1	32.5	21.1	18.5	17.5
2350.0	2250.0	7.42	6.22	5.82	2250.0	46.8	36.1	33.1	20.8	18.0	16.8
2400.0	2300.0	7.39	5.99	5.79	2300.0	44.8	38.2	35.3	21.5	17.9	16.6
2450.0	2350.0	6.79	5.79	5.69	2350.0	43.1	39.8	37.1	21.0	17.9	16.4
2500.0	2400.0	6.76	5.86	5.56	2400.0	42.6	40.9	38.2	21.5	18.4	16.9
2575.0	2475.0	6.78	5.88	5.78	2475.0	43.3	41.8	39.6	22.5	19.2	17.7
2600.0	2500.0	6.69	5.99	5.79	2500.0	43.3	40.5	38.9	22.8	19.3	17.8
2650.0	2550.0	6.70	6.00	5.90	2550.0	41.8	38.7	37.6	23.1	19.6	18.3
2700.0	2600.0	6.85	6.25	6.15	2600.0	38.7	36.3	35.7	22.7	19.3	18.0
2715.0	2615.0	6.87	6.37	6.27	2615.0	38.0	35.6	35.2	22.7	19.3	18.0
2800.0	2700.0	7.18	6.68	6.48	2700.0	35.2	33.3	33.0	21.9	18.9	17.8
2830.0	2730.0	7.39	6.79	6.59	2730.0	34.5	33.4	33.1	21.7	18.8	17.7
2850.0	2750.0	7.43	6.83	6.53	2750.0	33.8	33.4	33.2	21.4	18.7	17.5
2985.0	2885.0	8.43	7.53	7.23	2885.0	31.9	32.4	33.0	22.0	19.4	18.4
3120.0	3020.0	8.38	7.38	7.18	3020.0	31.1	32.4	33.2	22.3	20.3	19.6
3200.0	3100.0	8.16	7.46	7.16	3100.0	30.9	32.7	33.4	22.1	20.5	19.9
3255.0	3155.0	8.26	7.46	7.16	3155.0	30.4	32.2	32.8	21.9	20.5	19.9
3390.0	3290.0	8.09	7.29	6.99	3290.0	28.3	29.5	30.5	22.4	21.3	20.7
3525.0	3425.0	8.52	7.82	7.52	3425.0	27.2	28.3	29.1	22.1	21.1	20.4

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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
2200.0	9.69	5.49	5.17	4.12	2.96	2.52	1.0	1.13	1.16	1.32
2210.0	9.69	5.49	5.17	4.12	2.88	2.49	1.4	1.13	1.16	1.32
2250.0	8.72	5.17	4.89	3.95	2.80	2.46	3.2	1.12	1.17	1.33
2300.0	8.31	4.89	4.77	3.79	2.68	2.40	5.0	1.11	1.17	1.34
2350.0	7.00	4.32	4.42	3.21	2.52	2.32	7.7	1.11	1.18	1.34
2400.0	7.00	4.12	4.22	3.06	2.49	2.32	10.0	1.11	1.18	1.35
2475.0	6.05	3.79	3.95	2.84	2.37	2.27	18.5	1.10	1.19	1.36
2500.0	5.66	3.64	3.86	2.72	2.32	2.23	30.0	1.10	1.18	1.34
2550.0	5.03	3.50	3.79	2.58	2.25	2.18	44.1	1.11	1.18	1.34
2600.0	4.22	3.32	3.71	2.40	2.18	2.12	70.0	1.12	1.20	1.35
2615.0	4.03	3.26	3.64	2.37	2.16	2.08	100.0	1.13	1.21	1.37
2700.0	3.06	2.96	3.50	2.40	2.20	2.14	105.3	1.13	1.22	1.37
2730.0	2.92	2.88	3.44	2.37	2.16	2.10	130.0	1.14	1.23	1.38
2750.0	2.80	2.80	3.44	2.43	2.25	2.16	150.0	1.15	1.25	1.39
2885.0	2.27	2.43	2.88	2.49	2.32	2.23	180.0	1.17	1.27	1.41
3020.0	2.03	2.27	2.80	3.32	3.11	2.96	200.0	1.17	1.28	1.42
3100.0	2.04	2.40	2.92	3.26	3.01	2.88	251.4	1.20	1.32	1.44
3155.0	2.06	2.49	3.11	3.26	3.01	2.84	600.1	1.44	1.60	1.71
3290.0	1.91	2.52	3.21	3.86	3.44	3.21	660.0	1.48	1.67	1.78
3425.0	1.74	2.72	3.86	4.03	3.57	3.32	720.0	1.52	1.71	1.85