Image Reject Mixer JCIR-25+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=70MHz (dB) @LO (dBm)		
		+10	+13	+16
2490.0	2420.0	6.77	6.24	5.98
2493.0	2423.0	6.77	6.25	5.99
2496.0	2426.0	6.78	6.26	6.01
2499.0	2429.0	6.79	6.28	6.03
2502.0	2432.0	6.81	6.30	6.05
2505.0	2435.0	6.82	6.32	6.07
2508.0	2438.0	6.83	6.34	6.09
2511.0	2441.0	6.85	6.37	6.12
2514.0	2444.0	6.86	6.38	6.14
2517.0	2447.0	6.85	6.38	6.14
2520.0	2450.0	6.87	6.40	6.17
2523.0	2453.0	6.89	6.43	6.20
2526.0	2456.0	6.88	6.43	6.20
2529.0	2459.0	6.88	6.44	6.22
2532.0	2462.0	6.86	6.43	6.21
2535.0	2465.0	6.88	6.45	6.23
2538.0	2468.0	6.87	6.45	6.23
2541.0	2471.0	6.85	6.43	6.22
2544.0	2474.0	6.84	6.43	6.21
2547.0	2477.0	6.85	6.44	6.23
2550.0	2480.0	6.84	6.43	6.22

RF (IN) (MHz)	LO (MHz)	IMAGE REJECTION IF FIXED @IF(OUT)=70MHz (dBc) @LO (dBm)		
		+10	+13	+16
2350.0	2420.0	25.43	30.03	30.12
2353.0	2423.0	25.05	30.24	30.56
2356.0	2426.0	24.64	30.43	31.17
2359.0	2429.0	24.65	30.90	31.98
2362.0	2432.0	24.56	31.45	33.12
2365.0	2435.0	24.83	32.52	34.80
2368.0	2438.0	25.34	34.22	37.29
2371.0	2441.0	26.11	36.89	40.63
2374.0	2444.0	27.44	42.06	42.01
2377.0	2447.0	28.62	49.82	38.68
2380.0	2450.0	30.61	43.00	35.13
2383.0	2453.0	32.27	37.44	32.59
2386.0	2456.0	33.68	33.87	30.77
2389.0	2459.0	33.27	31.68	29.55
2392.0	2462.0	31.72	30.28	28.84
2395.0	2465.0	30.10	29.39	28.52
2398.0	2468.0	28.78	28.94	28.55
2401.0	2471.0	27.90	28.85	28.99
2404.0	2474.0	27.31	29.12	29.77
2407.0	2477.0	27.10	29.68	31.01
2410.0	2480.0	27.08	30.65	32.76

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm) @LO (dBm)		
		+10	+13	+16
2490.0	2420.0	15.09	15.84	17.60
2493.0	2423.0	15.02	15.80	17.57
2496.0	2426.0	14.93	15.69	17.41
2499.0	2429.0	14.85	15.69	17.39
2502.0	2432.0	14.75	15.58	17.34
2505.0	2435.0	14.72	15.53	17.33
2508.0	2438.0	14.64	15.46	17.26
2511.0	2441.0	14.53	15.36	17.19
2514.0	2444.0	14.41	15.26	17.07
2517.0	2447.0	14.29	15.14	17.06
2520.0	2450.0	14.18	15.04	16.97
2523.0	2453.0	14.10	15.00	16.94
2526.0	2456.0	14.07	14.94	16.93
2529.0	2459.0	14.00	14.91	16.90
2532.0	2462.0	13.92	14.81	16.88
2535.0	2465.0	13.85	14.73	16.78
2538.0	2468.0	13.79	14.63	16.74
2541.0	2471.0	13.69	14.53	16.49
2544.0	2474.0	13.62	14.41	16.34
2547.0	2477.0	13.53	14.30	16.09
2550.0	2480.0	13.56	14.20	15.89

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF=+1dBm (dB) @LO (dBm)		
		+10	+13	+16
2490.0	2420.0	0.08	0.09	0.08
2493.0	2423.0	0.06	0.07	0.07
2496.0	2426.0	0.07	0.08	0.07
2499.0	2429.0	0.08	0.09	0.09
2502.0	2432.0	0.07	0.07	0.07
2505.0	2435.0	0.09	0.09	0.09
2508.0	2438.0	0.08	0.08	0.08
2511.0	2441.0	0.06	0.06	0.06
2514.0	2444.0	0.08	0.07	0.07
2517.0	2447.0	0.08	0.07	0.08
2520.0	2450.0	0.09	0.08	0.09
2523.0	2453.0	0.07	0.05	0.06
2526.0	2456.0	0.09	0.07	0.08
2529.0	2459.0	0.09	0.07	0.08
2532.0	2462.0	0.10	0.08	0.09
2535.0	2465.0	0.08	0.06	0.07
2538.0	2468.0	0.10	0.08	0.09
2541.0	2471.0	0.08	0.07	0.08
2544.0	2474.0	0.14	0.12	0.13
2547.0	2477.0	0.06	0.05	0.06
2550.0	2480.0	0.11	0.10	0.11

Image Reject Mixer JCIR-25+

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB) @LO (dBm)			LO-IF ISOLATION (dB) @LO (dBm)		
	+10	+13	+16	+10	+13	+16
2420.0	32.74	34.08	34.15	32.58	35.20	35.28
2423.0	32.78	34.15	34.23	32.31	34.87	35.13
2426.0	32.82	34.22	34.30	32.06	34.55	34.96
2429.0	32.84	34.25	34.37	31.80	34.25	34.79
2432.0	32.86	34.31	34.43	31.56	33.95	34.61
2435.0	32.85	34.34	34.48	31.32	33.65	34.43
2438.0	32.84	34.34	34.52	31.09	33.38	34.24
2441.0	32.82	34.35	34.57	30.86	33.10	34.04
2444.0	32.81	34.35	34.58	30.63	32.83	33.85
2447.0	32.79	34.34	34.61	30.41	32.58	33.66
2450.0	32.76	34.33	34.63	30.21	32.32	33.46
2453.0	32.75	34.32	34.65	30.00	32.10	33.28
2456.0	32.72	34.29	34.66	29.83	31.87	33.09
2459.0	32.71	34.26	34.65	29.65	31.66	32.91
2462.0	32.68	34.22	34.66	29.47	31.46	32.75
2465.0	32.64	34.16	34.63	29.31	31.26	32.56
2468.0	32.60	34.14	34.62	29.14	31.06	32.40
2471.0	32.58	34.09	34.60	28.98	30.88	32.24
2474.0	32.55	34.02	34.56	28.82	30.70	32.09
2477.0	32.50	33.98	34.53	28.66	30.53	31.93
2480.0	32.45	33.92	34.51	28.50	30.36	31.78

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB) @LO (dBm)		
		+10	+13	+16
2490.0	2420.0	36.67	36.22	35.73
2493.0	2423.0	36.75	36.30	35.77
2496.0	2426.0	36.82	36.35	35.82
2499.0	2429.0	36.94	36.40	35.86
2502.0	2432.0	37.02	36.45	35.87
2505.0	2435.0	37.15	36.47	35.95
2508.0	2438.0	37.18	36.59	35.98
2511.0	2441.0	37.25	36.60	36.02
2514.0	2444.0	37.34	36.59	36.09
2517.0	2447.0	37.41	36.66	36.09
2520.0	2450.0	37.47	36.65	36.11
2523.0	2453.0	37.52	36.68	36.13
2526.0	2456.0	37.56	36.71	36.16
2529.0	2459.0	37.60	36.72	36.16
2532.0	2462.0	37.62	36.74	36.17
2535.0	2465.0	37.67	36.72	36.15
2538.0	2468.0	37.69	36.74	36.17
2541.0	2471.0	37.70	36.72	36.14
2544.0	2474.0	37.72	36.72	36.09
2547.0	2477.0	37.74	36.66	36.04
2550.0	2480.0	37.67	36.64	36.01

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1) @LO (dBm)			LO (MHz)	LO VSWR (:1) @LO (dBm)			IF (OUT) (MHz)	IF VSWR (:1) @LO (dBm)		
		+10	+13	+16		+10	+13	+16		+10	+13	+16
2490.0	2420.0	2.05	2.11	2.16	2420.0	2.83	2.07	1.84	57.0	1.29	1.35	1.39
2493.0	2423.0	2.05	2.11	2.16	2423.0	2.79	2.05	1.82	58.0	1.29	1.34	1.38
2496.0	2426.0	2.06	2.12	2.17	2426.0	2.77	2.03	1.81	59.0	1.29	1.34	1.38
2499.0	2429.0	2.06	2.12	2.18	2429.0	2.73	2.01	1.79	60.0	1.29	1.34	1.37
2502.0	2432.0	2.07	2.13	2.19	2432.0	2.71	1.99	1.78	61.0	1.28	1.33	1.37
2505.0	2435.0	2.08	2.14	2.19	2435.0	2.69	1.98	1.76	62.0	1.28	1.33	1.36
2508.0	2438.0	2.08	2.15	2.20	2438.0	2.66	1.96	1.75	63.0	1.28	1.32	1.35
2511.0	2441.0	2.09	2.15	2.21	2441.0	2.64	1.95	1.74	64.0	1.27	1.32	1.35
2514.0	2444.0	2.10	2.16	2.21	2444.0	2.62	1.93	1.73	65.0	1.27	1.31	1.34
2517.0	2447.0	2.10	2.16	2.22	2447.0	2.60	1.92	1.72	66.0	1.27	1.31	1.34
2520.0	2450.0	2.11	2.17	2.22	2450.0	2.58	1.91	1.71	67.0	1.26	1.30	1.33
2523.0	2453.0	2.11	2.17	2.22	2453.0	2.57	1.90	1.70	68.0	1.26	1.29	1.32
2526.0	2456.0	2.12	2.17	2.22	2456.0	2.56	1.89	1.69	69.0	1.26	1.29	1.32
2529.0	2459.0	2.12	2.18	2.22	2459.0	2.55	1.87	1.68	70.0	1.25	1.28	1.31
2532.0	2462.0	2.12	2.17	2.22	2462.0	2.53	1.86	1.67	71.0	1.25	1.28	1.30
2535.0	2465.0	2.12	2.17	2.22	2465.0	2.53	1.85	1.66	72.0	1.25	1.27	1.30
2538.0	2468.0	2.12	2.17	2.21	2468.0	2.52	1.84	1.65	73.0	1.24	1.27	1.29
2541.0	2471.0	2.12	2.16	2.20	2471.0	2.51	1.83	1.64	75.5	1.23	1.26	1.28
2544.0	2474.0	2.12	2.16	2.19	2474.0	2.50	1.82	1.63	78.0	1.23	1.25	1.27
2547.0	2477.0	2.12	2.15	2.18	2477.0	2.49	1.81	1.62	80.5	1.22	1.24	1.26
2550.0	2480.0	2.11	2.15	2.17	2480.0	2.49	1.81	1.61	83.0	1.21	1.23	1.24