

Typical Performance Data

RF FREQ (MHz)	INSERTION LOSS (dB)				RF FREQ (MHz)	ISOLATION (dB)									
	VDD=+3.3V					VDD=+3.3V				VDD=+3.3V					
	RF COM- RF1	RF COM- RF2	RF COM- RF3	RF COM- RF4		RF COM- RF1	RF COM- RF2	RF COM- RF3	RF COM- RF4	RF1-RF2	RF1-RF3	RF1-RF4	RF2-RF3	RF2-RF4	RF3-RF4
10	0.74	0.77	0.76	0.74	10	81.68	81.36	79.88	81.49	67.86	70.65	69.42	70.79	71.04	70.33
30	0.75	0.78	0.77	0.75	30	82.09	81.60	80.65	82.31	70.49	73.52	72.39	74.33	74.64	72.75
50	0.75	0.78	0.77	0.75	50	82.46	81.67	80.22	83.36	72.58	77.69	76.01	79.30	76.75	74.25
100	0.76	0.79	0.79	0.76	100	81.92	80.53	78.15	82.31	73.34	80.59	78.47	80.18	77.14	73.28
500	0.80	0.86	0.86	0.80	500	73.71	68.33	67.37	70.42	64.10	69.09	68.87	69.73	67.29	63.18
1000	0.88	0.96	0.96	0.87	1000	66.88	62.28	61.72	63.19	58.72	62.81	63.56	63.86	61.95	58.22
1200	0.92	1.01	1.00	0.91	1200	63.72	60.84	60.66	61.61	57.21	61.24	62.42	62.40	60.67	56.95
1400	0.95	1.04	1.04	0.94	1400	62.47	59.82	59.64	60.04	56.20	60.41	61.64	60.87	59.91	56.08
1600	0.98	1.06	1.05	0.96	1600	61.40	58.86	59.07	58.40	55.34	59.52	61.20	59.08	59.27	55.21
1800	0.99	1.03	1.02	0.98	1800	59.96	58.17	58.61	57.02	54.59	58.98	60.84	57.21	59.26	54.79
2000	0.99	0.99	0.97	0.96	2000	58.95	57.42	57.76	56.21	53.88	58.27	60.29	55.25	59.34	54.37
2200	0.94	0.96	0.96	0.94	2200	57.39	56.95	57.08	54.66	53.42	58.24	60.29	54.02	58.53	53.52
2400	0.92	1.01	1.02	0.91	2400	55.16	56.89	57.26	53.13	53.94	57.16	61.22	52.41	56.63	53.00
2600	0.91	1.13	1.12	0.91	2600	53.39	56.00	56.35	51.44	53.97	56.59	61.91	51.48	55.77	52.35
2800	0.93	1.18	1.16	0.91	2800	52.09	55.81	54.66	50.02	53.34	55.20	63.38	50.21	54.19	52.08
3000	0.94	1.15	1.11	0.91	3000	50.44	55.54	52.98	49.00	53.24	54.54	63.17	49.05	53.26	52.10
3200	0.95	1.08	1.04	0.91	3200	49.32	55.05	52.59	47.54	52.51	53.13	62.36	47.77	51.79	52.14
3400	1.00	1.04	1.01	0.94	3400	47.91	53.47	50.63	46.40	52.38	51.92	61.97	46.45	50.48	52.72
3600	1.05	1.05	1.03	0.99	3600	46.68	52.58	49.08	45.02	51.69	50.41	56.99	45.39	49.28	52.05
3800	1.14	1.10	1.08	1.06	3800	45.22	51.31	47.79	43.56	51.19	48.63	52.76	44.28	47.99	51.78
4000	1.17	1.15	1.15	1.08	4000	44.12	48.98	46.32	42.59	50.43	47.42	50.50	43.18	46.78	51.00
4200	1.13	1.24	1.25	1.07	4200	43.27	47.46	44.96	41.65	48.09	45.20	46.17	41.83	44.86	47.35
4400	1.04	1.38	1.37	1.03	4400	42.23	46.26	43.45	40.54	46.69	43.73	44.57	40.77	43.52	46.00
4600	1.06	1.55	1.49	1.10	4600	41.47	44.71	42.09	39.55	44.35	41.70	41.59	39.29	41.88	42.72
4800	1.25	1.62	1.57	1.31	4800	40.36	43.48	41.38	38.55	43.34	40.51	40.34	37.85	40.77	41.01
5000	1.64	1.69	1.63	1.70	5000	38.75	42.82	40.62	36.95	41.13	38.94	38.40	36.29	38.77	38.63
5200	2.00	1.77	1.79	2.04	5200	37.65	41.44	39.10	35.22	39.96	38.08	37.38	35.16	37.50	37.29
5400	2.16	1.88	2.00	2.24	5400	36.37	40.75	38.00	34.10	38.25	36.90	35.96	34.00	35.99	35.76
5600	2.16	1.99	2.11	2.23	5600	35.13	40.27	37.24	33.18	37.13	35.72	34.87	32.99	35.10	34.85
5800	2.02	2.06	2.13	2.16	5800	34.38	38.94	35.92	32.30	36.08	34.42	33.53	32.04	33.95	33.69
6000	1.90	2.10	2.11	2.08	6000	33.59	37.54	34.35	31.23	35.13	33.15	32.30	31.14	32.88	32.63

State	State of Control Voltage		Mode
	Control 1	Control 2	
1	HIGH	LOW	RF COM - RF1
2	LOW	HIGH	RF COM - RF2
3	HIGH	HIGH	RF COM - RF3
4	LOW	LOW	RF COM - RF4



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 The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

Typical Performance Data

RF FREQ (MHz)	VSWR (:1)					RF FREQ (MHz)	VSWR (:1)			
	VDD=+3V						VDD=+3V			
	RF COM	RF1 (ON)	RF2 (ON)	RF3 (ON)	RF4 (ON)		RF1 (OFF)	RF2 (OFF)	RF3 (OFF)	RF4 (OFF)
10	1.20	1.16	1.17	1.17	1.16	10	1.13	1.14	1.14	1.13
30	1.18	1.16	1.17	1.17	1.16	30	1.13	1.13	1.14	1.13
50	1.17	1.16	1.17	1.17	1.16	50	1.13	1.13	1.14	1.13
100	1.17	1.17	1.17	1.17	1.17	100	1.13	1.13	1.13	1.13
500	1.18	1.17	1.20	1.21	1.17	500	1.11	1.09	1.09	1.11
1000	1.14	1.19	1.24	1.24	1.17	1000	1.05	1.05	1.05	1.08
1200	1.17	1.21	1.26	1.26	1.18	1200	1.04	1.10	1.10	1.08
1400	1.25	1.25	1.30	1.31	1.24	1400	1.07	1.16	1.16	1.12
1600	1.32	1.34	1.34	1.33	1.31	1600	1.13	1.20	1.20	1.17
1800	1.35	1.41	1.33	1.34	1.40	1800	1.18	1.24	1.25	1.23
2000	1.35	1.48	1.31	1.30	1.44	2000	1.24	1.24	1.23	1.29
2200	1.31	1.44	1.29	1.30	1.44	2200	1.29	1.21	1.18	1.33
2400	1.22	1.36	1.37	1.39	1.35	2400	1.29	1.14	1.12	1.35
2600	1.26	1.29	1.52	1.53	1.29	2600	1.29	1.04	1.06	1.34
2800	1.28	1.27	1.58	1.57	1.24	2800	1.24	1.07	1.12	1.31
3000	1.24	1.32	1.55	1.50	1.25	3000	1.18	1.18	1.22	1.27
3200	1.22	1.36	1.43	1.37	1.27	3200	1.12	1.27	1.33	1.22
3400	1.18	1.41	1.29	1.24	1.29	3400	1.05	1.36	1.37	1.19
3600	1.11	1.40	1.16	1.11	1.28	3600	1.10	1.38	1.39	1.21
3800	1.16	1.48	1.11	1.09	1.33	3800	1.19	1.36	1.36	1.27
4000	1.25	1.53	1.23	1.26	1.37	4000	1.30	1.28	1.25	1.35
4200	1.37	1.54	1.48	1.52	1.40	4200	1.38	1.18	1.13	1.44
4400	1.62	1.44	1.76	1.75	1.36	4400	1.46	1.04	1.03	1.49
4600	1.83	1.32	1.92	1.84	1.33	4600	1.50	1.09	1.16	1.52
4800	1.86	1.37	1.78	1.70	1.41	4800	1.50	1.24	1.29	1.52
5000	1.99	1.64	1.54	1.43	1.65	5000	1.46	1.35	1.43	1.46
5200	2.33	1.93	1.40	1.40	1.87	5200	1.36	1.41	1.47	1.39
5400	2.51	2.08	1.50	1.67	2.05	5400	1.26	1.44	1.46	1.29
5600	2.53	2.12	1.73	1.88	2.07	5600	1.16	1.39	1.38	1.19
5800	2.36	1.97	1.88	1.95	2.01	5800	1.06	1.34	1.25	1.11
6000	2.19	1.74	1.87	1.86	1.85	6000	1.08	1.20	1.13	1.12

State	State of Control Voltage		Mode
	Control 1	Control 2	
1	HIGH	LOW	RF COM - RF1
2	LOW	HIGH	RF COM - RF2
3	HIGH	HIGH	RF COM - RF3
4	LOW	LOW	RF COM - RF4

The truth table is based on that control 3 is grounded.

Typical Performance Data

RF FREQ (MHz)	INSERTION LOSS (dB) @ VDD=+3.3V OVER TEMPERTURE											
	RF COM-RF1			RF COM-RF2			RF COM-RF3			RF COM-RF4		
	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C
10	0.67	0.74	0.87	0.69	0.77	0.90	0.69	0.76	0.90	0.67	0.74	0.87
30	0.67	0.75	0.87	0.69	0.78	0.91	0.69	0.77	0.90	0.67	0.75	0.87
50	0.67	0.75	0.87	0.70	0.78	0.91	0.69	0.77	0.90	0.67	0.75	0.87
100	0.68	0.76	0.88	0.70	0.79	0.92	0.70	0.79	0.91	0.67	0.76	0.88
500	0.68	0.80	0.95	0.74	0.86	1.02	0.73	0.86	1.01	0.68	0.80	0.95
1000	0.72	0.88	1.05	0.80	0.96	1.15	0.79	0.96	1.14	0.72	0.87	1.05
1200	0.75	0.92	1.10	0.83	1.01	1.20	0.81	1.00	1.19	0.74	0.91	1.09
1400	0.77	0.95	1.13	0.85	1.04	1.24	0.85	1.04	1.23	0.76	0.94	1.13
1600	0.79	0.98	1.17	0.87	1.06	1.25	0.84	1.05	1.24	0.77	0.96	1.16
1800	0.80	0.99	1.18	0.84	1.03	1.22	0.82	1.02	1.21	0.79	0.98	1.16
2000	0.80	0.99	1.17	0.79	0.99	1.19	0.76	0.97	1.18	0.77	0.96	1.15
2200	0.75	0.94	1.13	0.74	0.96	1.17	0.74	0.96	1.17	0.75	0.94	1.13
2400	0.71	0.92	1.12	0.78	1.01	1.24	0.77	1.02	1.25	0.71	0.91	1.12
2600	0.70	0.91	1.13	0.89	1.13	1.34	0.87	1.12	1.35	0.70	0.91	1.13
2800	0.69	0.93	1.15	0.94	1.18	1.39	0.90	1.16	1.39	0.67	0.91	1.15
3000	0.70	0.94	1.18	0.91	1.15	1.37	0.86	1.11	1.34	0.67	0.91	1.15
3200	0.70	0.95	1.20	0.82	1.08	1.33	0.76	1.04	1.29	0.65	0.91	1.16
3400	0.74	1.00	1.25	0.76	1.04	1.30	0.73	1.01	1.28	0.68	0.94	1.20
3600	0.78	1.05	1.32	0.77	1.05	1.33	0.73	1.03	1.30	0.72	0.99	1.26
3800	0.86	1.14	1.41	0.80	1.10	1.38	0.76	1.08	1.37	0.78	1.06	1.33
4000	0.90	1.17	1.44	0.83	1.15	1.44	0.82	1.15	1.46	0.80	1.08	1.36
4200	0.85	1.13	1.40	0.92	1.24	1.52	0.92	1.25	1.54	0.78	1.07	1.35
4400	0.73	1.04	1.33	1.06	1.38	1.64	1.02	1.37	1.65	0.71	1.03	1.33
4600	0.74	1.06	1.35	1.23	1.55	1.82	1.16	1.49	1.77	0.77	1.10	1.41
4800	0.92	1.25	1.58	1.27	1.62	1.96	1.20	1.57	1.90	0.97	1.31	1.64
5000	1.31	1.64	1.95	1.32	1.69	2.03	1.24	1.63	1.97	1.37	1.70	2.01
5200	1.60	2.00	2.35	1.36	1.77	2.16	1.35	1.79	2.18	1.65	2.04	2.40
5400	1.79	2.16	2.52	1.47	1.88	2.25	1.57	2.00	2.39	1.84	2.24	2.61
5600	1.76	2.16	2.56	1.56	1.99	2.37	1.67	2.11	2.53	1.81	2.23	2.65
5800	1.63	2.02	2.41	1.67	2.06	2.47	1.71	2.13	2.55	1.76	2.16	2.58
6000	1.50	1.90	2.35	1.68	2.10	2.52	1.68	2.11	2.54	1.67	2.08	2.54

State	State of Control Voltage		Mode
	Control 1	Control 2	
1	HIGH	LOW	RF COM - RF1
2	LOW	HIGH	RF COM - RF2
3	HIGH	HIGH	RF COM - RF3
4	LOW	LOW	RF COM - RF4

The truth table is based on that control 3 is grounded.

Typical Performance Data

RF FREQ (MHz)	ISOLATION (dB) @ VDD=+3.3V OVER TEMPERATURE											
	RF COM-RF1			RF COM-RF2			RF COM-RF3			RF COM-RF4		
	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C
10	84.11	81.68	80.05	83.68	81.36	84.90	86.12	79.88	79.96	83.15	81.49	84.32
30	84.85	82.09	81.35	83.30	81.60	83.32	84.45	80.65	79.57	84.29	82.31	84.38
50	85.1	82.5	82.3	82.8	81.7	81.6	82.8	80.2	79.2	85.2	83.4	84.2
100	83.6	81.9	82.3	81.2	80.5	78.9	79.0	78.2	77.6	81.7	82.3	83.4
500	72.0	73.7	76.6	68.3	68.3	68.2	67.6	67.4	67.0	69.4	70.4	72.0
1000	65.6	66.9	69.2	62.2	62.3	62.2	61.8	61.7	61.4	62.3	63.2	64.5
1200	62.7	63.7	65.5	60.8	60.8	60.7	60.7	60.7	60.4	60.8	61.6	62.9
1400	61.3	62.5	63.9	59.7	59.8	59.6	59.6	59.6	59.4	59.3	60.0	61.1
1600	60.4	61.4	62.7	58.8	58.9	58.7	59.1	59.1	58.8	57.7	58.4	59.3
1800	59.1	60.0	61.0	58.1	58.2	58.0	58.6	58.6	58.3	56.4	57.0	57.9
2000	58.3	58.9	60.0	57.4	57.4	57.2	57.7	57.8	57.5	55.8	56.2	56.8
2200	56.8	57.4	58.1	56.8	57.0	57.1	56.9	57.1	57.0	54.3	54.7	55.3
2400	54.8	55.2	55.7	56.7	56.9	56.5	57.1	57.3	57.2	52.7	53.1	53.4
2600	53.0	53.4	53.9	56.0	56.0	55.8	56.1	56.3	56.1	51.3	51.4	51.8
2800	51.8	52.1	52.4	55.7	55.8	55.0	54.8	54.7	54.3	49.8	50.0	50.3
3000	50.2	50.4	50.6	55.8	55.5	54.7	53.2	53.0	52.9	48.7	49.0	49.0
3200	49.1	49.3	49.4	55.5	55.1	53.9	52.5	52.6	52.1	47.5	47.5	47.5
3400	47.9	47.9	48.0	53.9	53.5	52.3	50.7	50.6	49.9	46.4	46.4	46.6
3600	46.6	46.7	46.7	53.2	52.6	51.6	49.4	49.1	48.7	44.9	45.0	44.9
3800	45.0	45.2	45.1	52.9	51.3	51.0	48.3	47.8	47.7	43.6	43.6	43.5
4000	43.9	44.1	44.0	49.5	49.0	48.1	46.6	46.3	45.8	42.5	42.6	42.5
4200	43.1	43.3	43.1	48.0	47.5	46.8	45.0	45.0	44.4	41.7	41.6	41.6
4400	42.4	42.2	42.2	46.6	46.3	45.4	43.6	43.4	42.9	40.7	40.5	40.5
4600	41.4	41.5	41.1	45.2	44.7	44.1	42.4	42.1	41.9	39.6	39.6	39.3
4800	40.3	40.4	40.1	43.6	43.5	42.7	41.5	41.4	40.8	38.6	38.5	38.3
5000	39.0	38.7	38.6	43.3	42.8	42.0	41.0	40.6	40.2	37.1	36.9	36.7
5200	37.8	37.6	37.5	42.1	41.4	40.7	39.4	39.1	38.5	35.2	35.2	35.0
5400	36.5	36.4	36.3	41.3	40.8	40.1	38.3	38.0	37.7	34.0	34.1	34.1
5600	35.1	35.1	35.0	40.7	40.3	39.5	37.5	37.2	36.7	33.1	33.2	33.1
5800	34.4	34.4	34.3	39.5	38.9	38.2	36.1	35.9	35.5	32.3	32.3	32.4
6000	33.6	33.6	33.5	38.0	37.5	36.9	34.5	34.3	34.0	31.2	31.2	31.3

State	State of Control Voltage		Mode
	Control 1	Control 2	
1	HIGH	LOW	RF COM - RF1
2	LOW	HIGH	RF COM - RF2
3	HIGH	HIGH	RF COM - RF3
4	LOW	LOW	RF COM - RF4

The truth table is based on that control 3 is grounded.



Typical Performance Data

RF FREQ (MHz)	ISOLATION (dB) @ VDD=+3.3V OVER TEMPERATURE																	
	RF1-RF2			RF1-RF3			RF1-RF4			RF2-RF3			RF2-RF4			RF3-RF4		
	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C
10	69.04	67.86	68.67	71.31	70.65	69.16	69.64	69.42	70.57	69.55	70.79	69.41	69.59	71.04	70.50	70.41	70.33	69.01
30	71.25	70.49	71.01	74.25	73.52	73.38	72.95	72.39	73.48	73.41	74.33	74.64	72.83	74.64	73.69	72.81	72.75	71.50
50	73.7	72.6	73.0	79.0	77.7	76.1	76.6	76.0	76.2	77.8	79.3	77.6	75.6	76.8	75.8	74.4	74.2	73.2
100	74.4	73.3	73.4	81.0	80.6	78.6	79.1	78.5	77.6	79.9	80.2	80.4	77.1	77.1	76.7	73.4	73.3	73.0
500	63.7	64.1	64.5	68.5	69.1	69.3	68.7	68.9	69.0	68.8	69.7	70.5	67.0	67.3	67.5	63.1	63.2	63.5
1000	58.3	58.7	59.0	62.5	62.8	63.2	63.3	63.6	63.8	63.1	63.9	64.7	61.6	62.0	62.3	57.9	58.2	58.6
1200	56.8	57.2	57.6	60.9	61.2	61.6	62.0	62.4	62.7	61.6	62.4	62.5	60.2	60.7	61.1	56.5	56.9	57.3
1400	55.8	56.2	56.7	60.0	60.4	60.8	61.2	61.6	62.0	60.4	60.9	60.3	59.4	59.9	60.3	55.6	56.1	56.6
1600	54.9	55.3	55.8	59.1	59.5	60.0	60.6	61.2	61.8	59.4	59.1	58.5	58.7	59.3	59.9	54.7	55.2	55.7
1800	54.2	54.6	55.0	58.4	59.0	59.2	60.4	60.8	61.0	57.4	57.2	56.8	58.6	59.3	59.9	54.2	54.8	54.9
2000	53.5	53.9	54.3	57.8	58.3	58.7	59.9	60.3	60.4	55.4	55.2	55.0	58.5	59.3	59.6	54.0	54.4	54.3
2200	53.0	53.4	53.8	58.0	58.2	58.3	60.0	60.3	60.4	54.1	54.0	53.7	58.4	58.5	58.0	53.6	53.5	53.5
2400	53.6	53.9	54.3	57.4	57.2	56.5	61.2	61.2	61.2	52.5	52.4	52.2	56.9	56.6	56.4	53.0	53.0	52.8
2600	53.5	54.0	53.8	57.1	56.6	56.1	61.9	61.9	61.3	51.6	51.5	51.3	55.9	55.8	55.6	52.4	52.3	52.3
2800	53.3	53.3	53.1	55.5	55.2	54.5	64.0	63.4	61.9	50.2	50.2	49.9	54.3	54.2	53.7	52.0	52.1	51.9
3000	53.2	53.2	53.1	55.0	54.5	53.9	64.6	63.2	61.0	49.1	49.1	48.7	53.3	53.3	52.8	52.1	52.1	52.0
3200	52.5	52.5	52.0	53.6	53.1	52.3	64.4	62.4	59.4	47.9	47.8	47.5	52.3	51.8	51.5	52.0	52.1	51.5
3400	52.3	52.4	51.8	52.4	51.9	51.1	61.8	62.0	60.3	46.4	46.5	46.1	50.6	50.5	50.1	52.6	52.7	51.5
3600	51.9	51.7	50.8	50.9	50.4	49.7	58.0	57.0	54.8	45.5	45.4	45.0	49.6	49.3	48.7	52.7	52.1	51.1
3800	52.5	51.2	51.1	49.4	48.6	48.3	52.8	52.8	52.0	44.6	44.3	44.0	48.3	48.0	47.6	52.9	51.8	51.0
4000	51.3	50.4	49.6	47.9	47.4	46.8	51.0	50.5	49.6	43.4	43.2	42.8	47.0	46.8	46.2	52.4	51.0	49.5
4200	48.6	48.1	47.4	45.7	45.2	44.8	46.0	46.2	45.7	42.0	41.8	41.4	45.3	44.9	44.5	47.5	47.3	46.8
4400	47.3	46.7	46.0	44.1	43.7	43.2	44.9	44.6	44.1	40.9	40.8	40.4	43.9	43.5	43.2	46.4	46.0	45.1
4600	44.8	44.4	43.8	41.9	41.7	41.2	42.0	41.6	41.4	39.4	39.3	38.9	42.1	41.9	41.4	43.1	42.7	42.2
4800	44.0	43.3	42.8	40.8	40.5	40.1	40.6	40.3	40.0	38.2	37.9	37.7	41.1	40.8	40.4	41.3	41.0	40.5
5000	41.7	41.1	40.4	39.2	38.9	38.4	38.5	38.4	38.1	36.4	36.3	35.9	38.9	38.8	38.4	38.9	38.6	38.2
5200	40.3	40.0	39.2	38.4	38.1	37.7	37.5	37.4	37.1	35.4	35.2	34.9	37.8	37.5	37.3	37.6	37.3	37.0
5400	38.5	38.2	37.7	37.1	36.9	36.4	36.1	36.0	35.8	34.1	34.0	33.7	36.0	36.0	35.7	35.9	35.8	35.5
5600	37.4	37.1	36.7	36.0	35.7	35.3	34.8	34.9	34.7	33.1	33.0	32.7	35.2	35.1	34.8	34.8	34.8	34.5
5800	36.2	36.1	35.8	34.5	34.4	34.1	33.5	33.5	33.5	32.1	32.0	32.0	33.9	34.0	33.8	33.7	33.7	33.6
6000	35.1	35.1	34.9	33.1	33.2	32.8	32.3	32.3	32.3	31.1	31.1	31.0	32.8	32.9	32.8	32.6	32.6	32.6

State	State of Control Voltage		Mode
	Control 1	Control 2	
1	HIGH	LOW	RF COM - RF1
2	LOW	HIGH	RF COM - RF2
3	HIGH	HIGH	RF COM - RF3
4	LOW	LOW	RF COM - RF4

The truth table is based on that control 3 is grounded.



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IF/RF MICROWAVE COMPONENTS

Typical Performance Data

RF FREQ (MHz)	VSWR (:1) @ VDD= +3.3V Over Temperature														
	RF COM			RF1 (ON)			RF2 (ON)			RF3 (ON)			RF4 (ON)		
	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C
10	1.16	1.20	1.21	1.15	1.16	1.19	1.15	1.17	1.20	1.15	1.17	1.20	1.15	1.16	1.19
30	1.15	1.18	1.20	1.15	1.16	1.19	1.15	1.17	1.20	1.15	1.17	1.20	1.15	1.16	1.19
50	1.15	1.17	1.20	1.15	1.16	1.19	1.15	1.17	1.20	1.15	1.17	1.20	1.15	1.16	1.19
100	1.15	1.17	1.20	1.15	1.17	1.19	1.16	1.17	1.20	1.15	1.17	1.20	1.15	1.17	1.19
500	1.16	1.18	1.20	1.15	1.17	1.20	1.18	1.20	1.23	1.19	1.21	1.24	1.15	1.17	1.20
1000	1.12	1.14	1.17	1.17	1.19	1.21	1.22	1.24	1.27	1.23	1.24	1.26	1.15	1.17	1.20
1200	1.14	1.17	1.21	1.19	1.21	1.24	1.24	1.26	1.28	1.23	1.26	1.29	1.16	1.18	1.21
1400	1.23	1.25	1.27	1.24	1.25	1.28	1.28	1.30	1.31	1.30	1.31	1.32	1.22	1.24	1.26
1600	1.32	1.32	1.33	1.31	1.34	1.36	1.34	1.34	1.33	1.31	1.33	1.32	1.29	1.31	1.33
1800	1.35	1.35	1.33	1.41	1.41	1.42	1.35	1.33	1.31	1.36	1.34	1.33	1.40	1.40	1.40
2000	1.37	1.35	1.32	1.49	1.48	1.47	1.33	1.31	1.31	1.31	1.30	1.31	1.44	1.44	1.43
2200	1.35	1.31	1.26	1.47	1.44	1.41	1.29	1.29	1.31	1.31	1.30	1.30	1.47	1.44	1.40
2400	1.25	1.22	1.17	1.38	1.36	1.35	1.34	1.37	1.40	1.36	1.39	1.41	1.37	1.35	1.33
2600	1.30	1.26	1.20	1.31	1.29	1.27	1.53	1.52	1.51	1.54	1.53	1.54	1.32	1.29	1.27
2800	1.32	1.28	1.21	1.27	1.27	1.27	1.60	1.58	1.55	1.58	1.57	1.55	1.23	1.24	1.25
3000	1.30	1.24	1.16	1.32	1.32	1.33	1.59	1.55	1.51	1.54	1.50	1.45	1.26	1.25	1.26
3200	1.24	1.22	1.19	1.35	1.36	1.38	1.44	1.43	1.43	1.38	1.37	1.40	1.25	1.27	1.28
3400	1.21	1.18	1.15	1.41	1.41	1.42	1.30	1.29	1.29	1.25	1.24	1.24	1.30	1.29	1.30
3600	1.12	1.11	1.11	1.40	1.40	1.44	1.17	1.16	1.20	1.13	1.11	1.11	1.27	1.28	1.30
3800	1.18	1.16	1.12	1.48	1.48	1.47	1.11	1.11	1.14	1.07	1.09	1.14	1.34	1.33	1.32
4000	1.28	1.25	1.22	1.55	1.53	1.51	1.21	1.23	1.27	1.25	1.26	1.33	1.38	1.37	1.35
4200	1.39	1.37	1.32	1.58	1.54	1.49	1.49	1.48	1.46	1.53	1.52	1.47	1.43	1.40	1.35
4400	1.66	1.62	1.56	1.45	1.44	1.40	1.79	1.76	1.69	1.75	1.75	1.69	1.36	1.36	1.34
4600	1.90	1.83	1.74	1.33	1.32	1.30	1.99	1.92	1.85	1.92	1.84	1.82	1.35	1.33	1.32
4800	1.89	1.86	1.84	1.39	1.37	1.36	1.82	1.78	1.75	1.76	1.70	1.65	1.44	1.41	1.40
5000	2.03	1.99	1.93	1.69	1.64	1.58	1.59	1.54	1.53	1.47	1.43	1.37	1.71	1.65	1.59
5200	2.31	2.33	2.31	1.93	1.93	1.87	1.42	1.40	1.41	1.40	1.40	1.38	1.90	1.87	1.81
5400	2.56	2.51	2.43	2.14	2.08	2.02	1.51	1.50	1.45	1.70	1.67	1.67	2.09	2.05	1.97
5600	2.57	2.53	2.49	2.18	2.12	2.06	1.77	1.73	1.68	1.93	1.88	1.84	2.13	2.07	2.01
5800	2.44	2.36	2.28	2.01	1.97	1.89	1.96	1.88	1.83	2.01	1.95	1.84	2.07	2.01	1.94
6000	2.27	2.19	2.16	1.78	1.74	1.72	1.92	1.87	1.81	1.95	1.86	1.82	1.89	1.85	1.80

State	State of Control Voltage		Mode
	Control 1	Control 2	
1	HIGH	LOW	RF COM - RF1
2	LOW	HIGH	RF COM - RF2
3	HIGH	HIGH	RF COM - RF3
4	LOW	LOW	RF COM - RF4

The truth table is based on that control 3 is grounded.



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IF/RF MICROWAVE COMPONENTS

Typical Performance Data

RF FREQ (MHz)	VSWR (:1) @ VDD= +3.3V Over Temperature											
	RF1 (OFF)			RF2 (OFF)			RF3 (OFF)			RF4 (OFF)		
	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C	-40°C	+25°C	+105°C
10	1.25	1.13	1.01	1.26	1.14	1.01	1.26	1.14	1.01	1.25	1.13	1.01
30	1.25	1.13	1.01	1.26	1.13	1.01	1.26	1.14	1.01	1.25	1.13	1.01
50	1.25	1.13	1.01	1.25	1.13	1.01	1.26	1.14	1.01	1.25	1.13	1.01
100	1.24	1.13	1.01	1.25	1.13	1.00	1.25	1.13	1.00	1.24	1.13	1.01
500	1.23	1.11	1.02	1.21	1.09	1.04	1.21	1.09	1.04	1.23	1.11	1.03
1000	1.16	1.05	1.07	1.14	1.05	1.12	1.13	1.05	1.11	1.18	1.08	1.09
1200	1.14	1.04	1.11	1.16	1.10	1.14	1.17	1.10	1.16	1.17	1.08	1.11
1400	1.14	1.07	1.13	1.21	1.16	1.17	1.21	1.16	1.17	1.18	1.12	1.16
1600	1.17	1.13	1.17	1.28	1.20	1.15	1.28	1.20	1.16	1.21	1.17	1.19
1800	1.23	1.18	1.20	1.34	1.24	1.15	1.34	1.25	1.17	1.28	1.23	1.23
2000	1.31	1.24	1.21	1.37	1.24	1.10	1.37	1.23	1.09	1.35	1.29	1.25
2200	1.38	1.29	1.22	1.35	1.21	1.05	1.31	1.18	1.04	1.42	1.33	1.26
2400	1.40	1.29	1.18	1.28	1.14	1.01	1.26	1.12	1.04	1.46	1.35	1.25
2600	1.42	1.29	1.16	1.17	1.04	1.08	1.16	1.06	1.12	1.47	1.34	1.22
2800	1.37	1.24	1.11	1.11	1.07	1.14	1.16	1.12	1.16	1.45	1.31	1.19
3000	1.32	1.18	1.04	1.19	1.18	1.21	1.24	1.22	1.24	1.40	1.27	1.15
3200	1.25	1.12	1.01	1.32	1.27	1.23	1.38	1.33	1.29	1.35	1.22	1.14
3400	1.14	1.05	1.10	1.46	1.36	1.27	1.47	1.37	1.24	1.28	1.19	1.15
3600	1.14	1.10	1.16	1.52	1.38	1.24	1.53	1.39	1.27	1.28	1.21	1.19
3800	1.21	1.19	1.23	1.51	1.36	1.21	1.53	1.36	1.19	1.33	1.27	1.25
4000	1.35	1.30	1.30	1.44	1.28	1.12	1.39	1.25	1.08	1.42	1.35	1.30
4200	1.44	1.38	1.34	1.31	1.18	1.07	1.25	1.13	1.07	1.53	1.44	1.35
4400	1.57	1.46	1.37	1.15	1.04	1.06	1.14	1.03	1.12	1.62	1.49	1.38
4600	1.64	1.50	1.36	1.10	1.09	1.16	1.17	1.16	1.22	1.67	1.52	1.37
4800	1.64	1.50	1.34	1.27	1.24	1.23	1.32	1.29	1.25	1.66	1.52	1.36
5000	1.62	1.46	1.30	1.42	1.35	1.30	1.54	1.43	1.38	1.60	1.46	1.30
5200	1.49	1.36	1.21	1.53	1.41	1.29	1.62	1.47	1.33	1.54	1.39	1.24
5400	1.36	1.26	1.15	1.60	1.44	1.31	1.61	1.46	1.29	1.40	1.29	1.16
5600	1.25	1.16	1.14	1.53	1.39	1.23	1.54	1.38	1.26	1.32	1.19	1.06
5800	1.09	1.06	1.14	1.49	1.34	1.23	1.37	1.25	1.13	1.24	1.11	1.03
6000	1.07	1.08	1.18	1.29	1.20	1.14	1.21	1.13	1.16	1.23	1.12	1.10

State	State of Control Voltage		Mode
	Control 1	Control 2	
1	HIGH	LOW	RF COM - RF1
2	LOW	HIGH	RF COM - RF2
3	HIGH	HIGH	RF COM - RF3
4	LOW	LOW	RF COM - RF4

The truth table is based on that control 3 is grounded.

