

RF SPDT Switch

ZSW2-63DR+

Typical Performance Data

TEST CONDITIONS: @Temperature = -40degC Power In = 0dBm

FREQUENCY (MHz)	INSERTION LOSS (dB)		ISOLATION (dB)			VSWR (:1)		
	COM-J1	COM-J2	COM-J1	COM-J2	J1-J2	COM	J1	J2
1	0.20	0.19	78.57	77.82	75.46	1.08	1.08	1.08
10	0.20	0.19	76.95	76.82	78.22	1.04	1.04	1.04
20	0.20	0.20	75.66	75.61	78.40	1.04	1.04	1.04
30	0.21	0.20	73.76	73.33	76.54	1.04	1.04	1.04
40	0.21	0.21	71.32	71.59	75.34	1.04	1.04	1.04
50	0.21	0.21	69.57	69.63	73.60	1.04	1.04	1.04
60	0.22	0.22	67.86	67.94	72.31	1.04	1.04	1.04
70	0.23	0.22	66.69	66.57	70.79	1.04	1.04	1.04
80	0.23	0.23	65.46	65.40	69.74	1.04	1.04	1.04
90	0.23	0.23	64.56	64.43	68.84	1.04	1.04	1.04
100	0.24	0.24	63.60	63.50	67.80	1.04	1.04	1.04
200	0.26	0.26	57.43	57.32	61.91	1.05	1.05	1.05
300	0.27	0.28	53.86	53.76	58.21	1.04	1.05	1.05
400	0.29	0.30	51.31	51.26	55.57	1.04	1.05	1.05
500	0.30	0.31	49.37	49.32	53.49	1.06	1.05	1.06
600	0.32	0.33	47.73	47.70	51.77	1.08	1.07	1.06
700	0.33	0.35	46.34	46.35	50.31	1.09	1.08	1.07
800	0.35	0.36	45.15	45.16	49.01	1.09	1.09	1.07
900	0.37	0.38	44.07	44.09	47.82	1.10	1.09	1.08
1000	0.38	0.39	43.09	43.12	46.69	1.10	1.10	1.09
1100	0.40	0.41	42.18	42.25	45.66	1.09	1.10	1.09
1200	0.41	0.42	41.32	41.45	44.74	1.10	1.11	1.10
1300	0.43	0.44	40.52	40.70	43.88	1.11	1.12	1.11
1400	0.45	0.46	39.81	40.01	43.11	1.12	1.13	1.13
1500	0.46	0.47	39.11	39.35	42.36	1.13	1.13	1.14
1600	0.47	0.49	38.46	38.73	41.61	1.13	1.14	1.15
1700	0.48	0.50	37.84	38.12	40.88	1.14	1.15	1.16
1800	0.49	0.51	37.26	37.55	40.19	1.14	1.16	1.17
1900	0.50	0.52	36.72	37.00	39.51	1.14	1.16	1.16
2000	0.51	0.53	36.18	36.47	38.85	1.13	1.16	1.16
2200	0.52	0.55	35.19	35.48	37.62	1.11	1.15	1.16
2400	0.54	0.56	34.26	34.59	36.48	1.08	1.13	1.15
2600	0.57	0.58	33.40	33.80	35.36	1.04	1.12	1.15
2800	0.59	0.59	32.55	33.09	34.29	1.05	1.11	1.15
3000	0.60	0.61	31.71	32.41	33.35	1.05	1.10	1.14
3100	0.61	0.62	31.28	32.08	32.91	1.04	1.09	1.13
3300	0.61	0.63	30.42	31.40	32.05	1.06	1.10	1.12
3500	0.62	0.66	29.58	30.74	31.22	1.11	1.13	1.15
3600	0.63	0.67	29.12	30.45	30.77	1.14	1.15	1.16
3700	0.65	0.69	28.63	30.17	30.31	1.16	1.17	1.18
3800	0.68	0.71	28.10	29.89	29.87	1.19	1.19	1.19
4000	0.75	0.75	27.34	29.32	29.62	1.25	1.23	1.24
4200	0.79	0.78	27.27	28.85	29.59	1.27	1.26	1.27
4400	0.84	0.84	26.20	28.43	28.44	1.28	1.27	1.30
4600	0.89	0.92	25.39	27.68	28.26	1.28	1.27	1.32
4800	0.90	0.94	25.57	26.58	28.46	1.27	1.27	1.31
5000	0.87	0.92	24.50	25.57	27.27	1.29	1.28	1.29
5200	0.85	0.88	23.79	24.88	26.38	1.25	1.24	1.24
5400	0.85	0.87	23.49	24.47	25.80	1.19	1.20	1.19
5600	0.86	0.86	22.88	23.99	25.03	1.12	1.15	1.16
5800	0.88	0.87	22.29	23.55	24.33	1.10	1.12	1.15
6000	0.90	0.89	21.75	23.05	23.71	1.11	1.10	1.14
6200	0.90	0.92	21.19	22.61	23.17	1.14	1.12	1.16
6400	0.90	0.96	20.57	22.32	22.48	1.11	1.11	1.16
6600	0.91	0.99	19.96	22.05	21.80	1.06	1.11	1.15
6800	0.96	1.03	19.26	21.85	21.04	1.03	1.10	1.16
7000	1.05	1.10	18.57	21.57	20.21	1.08	1.11	1.16

Notes

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RF SPDT Switch

ZSW2-63DR+

Typical Performance Data

TEST CONDITIONS: @Temperature = +25degC Power In = 0dBm

FREQUENCY (MHz)	INSERTION LOSS (dB)		ISOLATION (dB)			VSWR (:1)		
	COM-J1	COM-J2	COM-J1	COM-J2	J1-J2	COM	J1	J2
1	0.22	0.23	74.93	74.67	75.94	1.08	1.08	1.08
10	0.23	0.24	75.48	75.76	76.54	1.04	1.04	1.04
20	0.24	0.24	74.10	73.96	76.31	1.04	1.04	1.04
30	0.24	0.24	71.48	72.00	74.57	1.04	1.04	1.04
40	0.24	0.25	69.93	69.65	72.57	1.04	1.05	1.04
50	0.25	0.25	68.12	67.79	71.39	1.04	1.04	1.04
60	0.25	0.25	66.51	66.41	70.01	1.04	1.04	1.04
70	0.26	0.26	65.24	65.18	68.74	1.04	1.04	1.04
80	0.26	0.26	64.20	64.15	67.60	1.04	1.05	1.04
90	0.26	0.27	63.07	63.15	66.62	1.04	1.05	1.05
100	0.27	0.27	61.89	61.85	65.37	1.04	1.05	1.05
200	0.29	0.29	56.08	56.05	59.76	1.05	1.05	1.05
300	0.32	0.32	52.64	52.56	56.28	1.05	1.06	1.05
400	0.34	0.34	50.18	50.11	53.81	1.06	1.06	1.06
500	0.37	0.36	48.23	48.20	51.77	1.06	1.07	1.07
600	0.39	0.38	46.63	46.61	50.10	1.07	1.08	1.08
700	0.40	0.40	45.28	45.28	48.67	1.07	1.08	1.09
800	0.43	0.42	44.10	44.13	47.41	1.08	1.09	1.10
900	0.45	0.44	43.03	43.10	46.26	1.09	1.10	1.11
1000	0.46	0.47	42.07	42.19	45.21	1.10	1.11	1.12
1100	0.48	0.48	41.16	41.33	44.28	1.10	1.12	1.13
1200	0.50	0.50	40.36	40.55	43.45	1.11	1.13	1.13
1300	0.52	0.52	39.63	39.81	42.68	1.12	1.14	1.14
1400	0.54	0.54	38.95	39.13	41.95	1.12	1.15	1.15
1500	0.55	0.56	38.32	38.49	41.26	1.13	1.16	1.16
1600	0.57	0.57	37.72	37.89	40.58	1.14	1.16	1.17
1700	0.58	0.58	37.14	37.31	39.92	1.14	1.16	1.18
1800	0.59	0.59	36.57	36.77	39.26	1.14	1.16	1.18
1900	0.60	0.60	36.03	36.26	38.61	1.14	1.16	1.18
2000	0.62	0.62	35.50	35.79	37.99	1.13	1.17	1.19
2200	0.65	0.64	34.52	34.91	36.89	1.12	1.16	1.18
2400	0.66	0.66	33.62	34.10	35.91	1.09	1.13	1.15
2600	0.67	0.70	32.82	33.32	34.99	1.06	1.12	1.12
2800	0.70	0.72	32.06	32.59	34.12	1.02	1.10	1.10
3000	0.73	0.75	31.31	31.91	33.20	1.03	1.10	1.11
3100	0.74	0.76	30.91	31.58	32.73	1.05	1.11	1.12
3300	0.77	0.77	30.10	30.96	31.82	1.10	1.14	1.15
3500	0.80	0.80	29.24	30.40	30.97	1.15	1.17	1.20
3600	0.81	0.82	28.78	30.12	30.55	1.17	1.18	1.22
3700	0.82	0.84	28.30	29.84	30.16	1.19	1.20	1.24
3800	0.84	0.88	27.84	29.56	29.82	1.21	1.21	1.25
4000	0.88	0.94	27.28	28.94	29.59	1.24	1.23	1.27
4200	0.91	0.97	27.04	28.42	29.22	1.25	1.24	1.26
4400	0.96	1.02	26.07	27.92	28.21	1.26	1.24	1.25
4600	1.02	1.07	25.62	27.24	28.26	1.25	1.23	1.25
4800	1.07	1.10	25.36	26.38	28.28	1.24	1.23	1.26
5000	1.07	1.10	24.37	25.42	27.35	1.23	1.23	1.28
5200	1.06	1.10	23.83	24.78	26.79	1.23	1.21	1.27
5400	1.06	1.10	23.50	24.27	26.10	1.18	1.18	1.22
5600	1.08	1.13	22.98	23.77	25.24	1.18	1.17	1.19
5800	1.09	1.16	22.39	23.41	24.40	1.15	1.14	1.14
6000	1.11	1.19	21.76	23.07	23.80	1.12	1.13	1.14
6200	1.15	1.20	21.22	22.72	23.27	1.11	1.12	1.14
6400	1.17	1.22	20.73	22.39	22.73	1.08	1.10	1.14
6600	1.21	1.24	20.24	22.07	22.08	1.07	1.09	1.15
6800	1.27	1.32	19.69	21.76	21.24	1.04	1.08	1.13
7000	1.32	1.45	18.95	21.45	20.17	1.02	1.07	1.11

Notes

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RF SPDT Switch

ZSW2-63DR+

Typical Performance Data

TEST CONDITIONS: @Temperature = +85degC Power In = 0dBm

FREQUENCY (MHz)	INSERTION LOSS (dB)		ISOLATION (dB)			VSWR (:1)		
	COM-J1	COM-J2	COM-J1	COM-J2	J1-J2	COM	J1	J2
	1	0.26	0.27	75.43	74.42	71.99	1.09	1.09
10	0.27	0.28	73.58	74.00	74.74	1.05	1.05	1.05
20	0.28	0.29	72.80	72.97	74.69	1.05	1.05	1.05
30	0.28	0.29	70.39	70.80	73.07	1.05	1.05	1.05
40	0.28	0.29	68.70	68.65	71.38	1.05	1.06	1.05
50	0.29	0.29	66.97	67.01	69.71	1.05	1.06	1.06
60	0.29	0.30	65.40	65.63	68.51	1.05	1.06	1.06
70	0.29	0.30	64.30	64.31	67.27	1.05	1.06	1.06
80	0.30	0.31	63.18	63.18	66.08	1.05	1.06	1.06
90	0.30	0.31	62.18	62.18	65.02	1.05	1.06	1.06
100	0.30	0.31	61.24	61.30	64.26	1.05	1.06	1.06
200	0.33	0.34	55.27	55.30	58.27	1.06	1.06	1.06
300	0.36	0.37	51.76	51.75	54.92	1.08	1.07	1.08
400	0.39	0.39	49.29	49.28	52.40	1.08	1.08	1.08
500	0.42	0.42	47.33	47.37	50.41	1.08	1.08	1.08
600	0.44	0.44	45.75	45.80	48.79	1.08	1.09	1.09
700	0.46	0.47	44.40	44.47	47.40	1.09	1.10	1.11
800	0.48	0.49	43.22	43.32	46.18	1.09	1.10	1.11
900	0.50	0.51	42.17	42.29	45.06	1.09	1.11	1.12
1000	0.52	0.53	41.22	41.39	44.06	1.10	1.12	1.13
1100	0.54	0.55	40.35	40.55	43.16	1.10	1.12	1.13
1200	0.56	0.57	39.55	39.79	42.36	1.10	1.13	1.13
1300	0.58	0.59	38.84	39.07	41.62	1.10	1.13	1.14
1400	0.59	0.61	38.17	38.39	40.90	1.11	1.14	1.14
1500	0.61	0.62	37.57	37.76	40.24	1.11	1.14	1.15
1600	0.63	0.64	36.99	37.18	39.59	1.12	1.15	1.16
1700	0.64	0.65	36.44	36.61	38.97	1.13	1.16	1.17
1800	0.66	0.67	35.90	36.09	38.36	1.13	1.16	1.18
1900	0.67	0.68	35.38	35.60	37.78	1.13	1.16	1.19
2000	0.69	0.69	34.87	35.14	37.19	1.13	1.17	1.19
2200	0.72	0.71	33.92	34.29	36.18	1.13	1.17	1.19
2400	0.73	0.74	33.08	33.50	35.31	1.11	1.15	1.16
2600	0.76	0.78	32.31	32.77	34.49	1.07	1.13	1.13
2800	0.79	0.81	31.60	32.08	33.67	1.04	1.11	1.11
3000	0.82	0.84	30.87	31.41	32.83	1.04	1.11	1.10
3100	0.83	0.85	30.50	31.09	32.40	1.06	1.11	1.11
3300	0.87	0.88	29.72	30.49	31.56	1.12	1.14	1.16
3500	0.90	0.90	28.91	29.92	30.77	1.18	1.19	1.21
3600	0.91	0.93	28.50	29.65	30.39	1.20	1.20	1.23
3700	0.94	0.96	28.06	29.38	30.01	1.21	1.22	1.25
3800	0.96	0.99	27.62	29.10	29.64	1.22	1.23	1.27
4000	1.00	1.05	27.11	28.49	29.31	1.26	1.26	1.28
4200	1.02	1.09	26.78	27.95	28.83	1.27	1.26	1.27
4400	1.06	1.12	25.87	27.49	27.90	1.25	1.23	1.24
4600	1.12	1.17	25.35	26.86	27.90	1.23	1.22	1.24
4800	1.17	1.21	25.09	26.05	28.02	1.23	1.21	1.25
5000	1.18	1.22	24.12	25.17	27.15	1.22	1.20	1.26
5200	1.18	1.21	23.65	24.47	26.66	1.22	1.20	1.27
5400	1.20	1.23	23.35	24.04	26.09	1.21	1.20	1.25
5600	1.21	1.28	22.82	23.63	25.29	1.19	1.18	1.21
5800	1.23	1.31	22.25	23.28	24.57	1.16	1.16	1.17
6000	1.24	1.35	21.66	22.97	23.94	1.12	1.13	1.15
6200	1.25	1.34	21.12	22.68	23.38	1.09	1.11	1.14
6400	1.31	1.35	20.74	22.28	22.83	1.07	1.09	1.14
6600	1.37	1.39	20.34	21.93	22.15	1.06	1.08	1.13
6800	1.42	1.47	19.86	21.66	21.34	1.04	1.07	1.11
7000	1.50	1.66	19.14	21.57	20.51	1.02	1.06	1.08

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