

Attenuator/Switch

RAS-2-75+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB) at 20mA Control Current	AMP. UNBAL. (dB) at ± 20mA Control Current	PHASE UNBAL. (deg.) at ± 20mA Control Current	ISOLATION at 0 mA Control Current (dB)		RETURN LOSS (dB) Input
				In-Out	In-Con	
10.0	3.85	0.02	179.9	68	41	10.1
11.1	3.82	0.02	179.9	68	40	10.2
18.9	3.74	0.02	179.9	63	36	10.6
20.0	3.74	0.02	180.0	63	35	10.7
31.6	3.76	0.02	180.0	60	31	10.7
88.8	3.89	0.02	179.9	51	23	10.3
100.0	3.92	0.02	179.9	50	22	10.2
249.1	4.03	0.03	179.8	42	16	8.9
297.8	4.07	0.03	179.8	41	15	8.5
417.3	4.11	0.05	179.6	38	15	7.9
498.9	4.00	0.06	179.2	37	16	7.9
596.4	3.94	0.08	178.5	37	18	8.5
699.0	3.81	0.11	177.8	36	20	10.0
756.8	3.86	0.11	177.5	36	19	11.1
787.4	3.89	0.15	177.4	35	18	12.0
887.0	4.40	0.24	176.4	35	13	13.7
941.4	4.82	0.39	175.6	35	11	15.6
979.5	5.15	0.39	175.1	35	9	15.2
999.1	5.30	0.40	175.0	35	9	14.5
1019.2	5.47	0.45	175.1	35	8	13.8

CONTROL CURRENT (mA)	ATTENUATION (dB)			PHASE UNBALANCE REF AT 15 mA CONTROL (deg.)			INPUT VSWR (:1)		
	10 MHz	500 MHz	1000 MHz	10 MHz	500 MHz	1000 MHz	10MHz	500 MHz	1000 MHz
0.0000	72.9	42.4	27.4	77.0	123.7	-103.5	2.1	3.1	3.1
0.0003	55.2	42.7	27.4	11.3	120.0	-102.9	2.1	3.1	3.1
0.0005	53.2	42.9	27.5	7.8	118.9	-102.6	2.1	3.1	3.1
0.0012	51.4	43.0	27.5	3.9	117.5	-102.4	2.1	3.1	3.1
0.0020	48.6	43.5	27.5	-0.2	112.3	-101.5	2.1	3.1	3.1
0.0057	43.1	45.3	27.5	1.3	90.0	-98.1	2.1	3.1	3.0
0.0100	39.5	44.9	27.5	3.7	57.7	-94.3	2.0	3.1	3.0
0.0159	36.4	42.4	27.5	5.1	30.2	-89.7	2.0	3.1	3.0
0.0285	31.8	36.4	27.2	6.5	7.1	-79.2	2.0	3.0	2.9
0.0446	28.2	32.0	26.8	7.2	-1.1	-68.6	1.9	2.9	2.8
0.0715	24.6	27.7	25.4	7.4	-5.8	-54.2	1.8	2.8	2.7
0.1020	21.8	24.5	23.6	7.5	-7.7	-43.6	1.7	2.7	2.6
0.1879	17.4	19.7	20.0	7.0	-9.0	-27.2	1.5	2.5	2.4
0.3050	14.2	16.2	16.9	6.3	-8.9	-17.7	1.4	2.3	2.2
0.4255	12.2	14.0	14.9	5.7	-8.5	-12.5	1.2	2.1	2.0
0.7057	9.7	11.2	12.3	4.5	-7.4	-6.6	1.1	2.0	1.8
0.9950	8.3	9.6	10.9	3.7	-6.6	-3.4	1.2	1.9	1.6
1.7446	6.5	7.4	9.2	2.5	-4.9	0.2	1.4	1.8	1.5
5.6985	4.4	4.8	7.6	0.6	-1.6	1.8	1.8	1.8	1.2
15.0090	3.7	3.9	7.3	0.0	0.0	0.1	2.1	1.9	1.1

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