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) In-Out	ISOLATION at 0 mA Control Current (dB) In-Con	RETURN LOSS (dB) Input
10.0	3.50	0.01	180.0	70	47	12.3
19.9	3.52	0.01	180.0	68	40	12.7
39.7	3.61	0.01	179.9	67	35	12.6
59.5	3.63	0.01	179.9	65	31	12.5
79.3	3.66	0.01	179.9	64	29	12.5
86.7	3.68	0.01	179.9	63	28	12.5
99.1	3.73	0.01	179.9	62	27	12.4
163.5	3.95	0.01	179.8	58	23	12.3
237.7	4.03	0.01	179.7	55	20	12.1
314.4	4.05	0.01	179.4	52	18	12.0
391.2	4.23	0.02	179.6	50	17	12.1
467.9	4.36	0.04	179.6	48	17	12.3
500.1	4.38	0.04	179.6	47	17	12.4
542.1	4.48	0.06	179.5	46	17	12.5
618.9	4.63	0.10	179.5	44	18	12.6
695.6	4.90	0.13	179.6	43	20	12.1
772.3	5.02	0.16	179.4	41	23	10.8
846.6	5.51	0.16	179.7	41	21	9.1
923.3	6.21	0.21	179.8	40	17	7.5
1000.0	7.06	0.36	180.4	40	14	6.3

CONTROL CURRENT (mA)	ATTENUATION (dB) 10 MHz	ATTENUATION (dB) 500 MHz	ATTENUATION (dB) 1000 MHz	PHASE UNBALANCE REF AT 15 mA CONTROL (deg.) 10 MHz	PHASE UNBALANCE REF AT 15 mA CONTROL (deg.) 500 MHz	PHASE UNBALANCE REF AT 15 mA CONTROL (deg.) 1000 MHz	INPUT VSWR (:1) 10 MHz	INPUT VSWR (:1) 500 MHz	INPUT VSWR (:1) 1000 MHz
0.0000	71.8	43.8	38.2	-37.1	96.0	63.6	3.6	2.9	7.5
0.0003	63.7	44.2	38.1	-34.3	93.2	62.4	3.6	2.9	7.5
0.0004	55.7	43.8	38.1	-12.5	86.0	57.8	3.6	2.9	7.5
0.0016	51.2	43.3	38.1	-8.5	80.1	52.8	3.6	2.8	7.4
0.0057	45.4	41.1	36.8	-4.6	55.5	35.7	3.6	2.8	7.3
0.0105	41.5	38.6	35.6	-1.2	42.6	23.4	3.5	2.8	7.1
0.0161	38.3	36.0	33.7	1.5	34.4	12.9	3.5	2.8	6.9
0.0286	33.9	31.8	30.1	3.6	24.5	0.6	3.4	2.7	6.6
0.0437	30.3	28.4	27.1	4.3	20.7	-5.6	3.3	2.6	6.2
0.0734	26.2	24.4	23.2	5.1	16.3	-9.9	3.1	2.4	5.6
0.1029	23.6	21.8	20.8	5.0	14.4	-11.4	2.9	2.3	5.2
0.1510	20.7	19.1	18.2	5.0	12.8	-11.9	2.7	2.1	4.7
0.2540	17.1	15.6	15.1	4.6	10.4	-11.1	2.4	1.8	4.0
0.3743	14.6	13.3	13.1	4.3	9.0	-9.9	2.1	1.6	3.6
0.6438	11.5	10.6	10.8	3.5	6.9	-7.5	1.7	1.3	3.1
0.9350	9.7	9.1	9.6	3.0	5.4	-6.0	1.5	1.2	2.9
1.7496	7.2	7.2	8.2	2.0	3.6	-3.6	1.2	1.1	2.7
2.6537	5.5	5.9	7.3	1.3	1.9	-1.8	1.2	1.3	2.7
7.3045	4.3	4.9	6.7	0.5	0.6	-0.7	1.4	1.5	2.6
15.1437	3.6	4.5	6.4	0.1	0.1	-0.1	1.5	1.6	2.6

Mini-Circuits®
IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661
The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see minicircuits.com