

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB) at 20mA Control Current	AMP. UNBAL. (dB) at ± 20 mA Control Current	PHASE UNBAL. (deg.) at ± 20 mA Control Current	ISOLATION at 0 mA Control Current (dB)		RETURN LOSS (dB) Input
				In-Out	In-Con	
1.0	1.28	0.01	180.0	78	52	23.5
2.0	1.14	0.01	180.0	75	45	28.1
5.0	1.08	0.01	180.0	69	38	35.4
10.0	1.09	0.01	180.0	65	32	43.0
16.4	1.12	0.01	179.9	63	28	42.7
24.9	1.16	0.01	179.9	62	24	37.5
31.8	1.18	0.01	179.9	61	22	35.2
46.8	1.23	0.02	179.8	59	19	31.6
49.8	1.24	0.02	179.8	59	19	31.0
62.2	1.26	0.02	179.8	58	17	28.7
77.6	1.30	0.02	179.7	57	15	26.4
93.0	1.32	0.02	179.6	56	14	24.4
100.0	1.34	0.02	179.6	55	13	23.5
108.0	1.35	0.02	179.6	55	13	22.6
123.4	1.39	0.02	179.5	54	12	21.0
138.8	1.46	0.02	179.5	53	12	19.5
154.2	1.54	0.02	179.4	52	11	18.2
169.2	1.62	0.02	179.5	51	11	17.0
184.6	1.73	0.02	179.5	51	11	15.9
200.0	1.84	0.03	179.6	50	11	14.8

CONTROL CURRENT (mA)	ATTENUATION (dB)			PHASE UNBALANCE REF AT 15 mA CONTROL (deg.)			INPUT VSWR (:1)		
	1 MHz	100 MHz	200 MHz	1 MHz	100 MHz	200 MHz	1 MHz	100 MHz	200 MHz
0.0000	50.3	47.8	41.7	26.3	69.1	69.7	13.6	11.6	8.1
0.0004	47.0	47.3	41.2	19.0	65.6	65.4	13.5	11.6	8.1
0.0013	43.6	45.7	40.5	10.3	50.0	58.2	13.3	11.5	8.0
0.0032	40.7	43.3	39.0	5.7	36.8	46.4	12.9	11.3	7.9
0.0085	34.7	38.0	35.6	6.3	20.9	29.7	12.5	10.9	7.7
0.0162	33.0	33.5	32.0	6.6	12.3	19.1	11.7	10.3	7.4
0.0336	28.2	27.9	27.0	7.2	7.0	10.3	10.5	9.2	6.8
0.0567	24.5	23.9	23.1	7.5	4.7	6.0	9.3	8.1	6.1
0.0807	22.0	21.2	20.5	7.7	3.9	4.3	8.3	7.3	5.6
0.1215	19.1	18.2	17.5	7.5	3.0	2.9	7.1	6.2	4.9
0.1860	16.1	15.2	14.6	7.1	2.4	1.8	5.8	5.1	4.2
0.2459	14.2	13.3	12.8	6.5	2.1	1.4	5.0	4.5	3.7
0.3285	12.5	11.5	11.1	6.3	1.8	1.1	4.3	3.8	3.2
0.4365	10.8	9.9	9.6	5.7	1.6	0.9	3.6	3.3	2.8
0.5714	9.3	8.5	8.2	5.1	1.4	0.7	3.1	2.8	2.5
1.3114	5.6	5.2	5.1	3.3	0.8	0.3	2.0	1.9	1.7
2.0989	4.2	3.9	3.9	2.3	0.6	0.3	1.6	1.6	1.5
3.7220	2.9	2.8	2.9	1.3	0.3	0.1	1.3	1.3	1.3
7.0357	2.0	2.0	2.2	0.5	0.2	0.0	1.2	1.2	1.2
15.1415	1.4	1.5	1.8	0.0	0.0	0.0	1.1	1.1	1.1

REV. X1

ZMAS-3

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Page 1 of 1



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