

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	
600.0	2.30	0.07	182.1	30	20	10.8
627.0	2.31	0.06	182.4	30	20	11.2
640.0	2.35	0.06	182.4	29	20	11.3
667.0	2.37	0.06	182.6	29	21	11.4
680.0	2.35	0.07	182.8	29	21	11.4
707.0	2.34	0.08	182.7	28	21	11.2
720.0	2.34	0.10	182.9	28	22	11.1
747.0	2.37	0.13	183.0	28	22	10.7
773.0	2.44	0.16	183.2	27	22	10.2
787.0	2.49	0.19	183.2	27	22	10.0
813.0	2.59	0.20	183.3	26	22	9.5
827.0	2.60	0.24	183.6	26	22	9.2
853.0	2.76	0.26	183.7	26	21	8.6
880.0	2.94	0.33	183.8	26	20	8.1
893.0	3.03	0.35	183.8	25	20	7.9
920.0	3.18	0.40	183.9	25	19	7.4
933.0	3.26	0.43	183.9	25	18	7.2
960.0	3.34	0.48	183.8	25	17	6.7
973.0	3.40	0.49	183.8	25	17	6.6
1000.0	3.45	0.49	183.9	24	16	6.2

CONTROL CURRENT (mA)	ATTENUATION (dB)			PHASE UNBALANCE REF AT 15 mA CONTROL (deg.)			INPUT VSWR (:1)		
	600 MHz	800 MHz	1000 MHz	600 MHz	800 MHz	1000 MHz	600 MHz	800 MHz	1000 MHz
0.0000	35.3	29.9	28.6	-60.9	-101.2	-133.3	2.9	2.3	3.1
0.0001	28.3	28.3	29.9	11.7	-34.3	-80.9	2.9	2.3	3.0
0.0002	21.8	22.6	25.3	14.5	-18.8	-51.0	2.7	2.2	2.9
0.0003	18.4	19.2	21.9	11.1	-16.0	-41.8	2.5	2.1	2.7
0.0004	16.4	17.2	19.8	9.9	-13.7	-36.0	2.4	2.0	2.6
0.0008	14.1	14.9	17.2	9.4	-10.4	-28.8	2.2	1.8	2.4
0.0015	11.7	12.3	14.5	8.8	-7.2	-21.8	1.9	1.7	2.3
0.0029	9.3	9.9	11.8	7.8	-4.8	-15.9	1.7	1.5	2.2
0.0059	7.2	7.8	9.5	6.1	-3.3	-11.3	1.4	1.4	2.2
0.0095	5.6	6.2	7.8	4.4	-2.3	-7.9	1.2	1.4	2.3
0.0200	4.5	5.1	6.6	3.1	-1.7	-5.1	1.2	1.5	2.6
0.0344	3.7	4.3	5.8	2.0	-1.2	-3.8	1.3	1.7	2.9
0.0559	3.3	3.9	5.3	1.3	-1.0	-2.7	1.4	1.8	3.2
0.0814	3.0	3.6	5.0	0.8	-0.9	-2.0	1.5	1.9	3.4
0.1072	2.8	3.4	4.8	0.7	-0.9	-1.7	1.5	1.9	3.6
0.1926	2.6	3.2	4.6	0.3	-0.7	-1.1	1.6	2.0	3.8
0.2959	2.5	3.1	4.5	0.1	-0.6	-0.8	1.6	2.1	3.9
0.4662	2.4	3.0	4.4	0.0	-0.5	-0.5	1.7	2.1	4.0
2.0106	2.3	2.8	4.2	0.0	-0.3	-0.2	1.7	2.2	4.2
15.0980	2.2	2.8	4.1	0.0	-0.1	0.1	1.7	2.2	4.3

REV. X1

SYAS-860

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Page 1 of 1



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