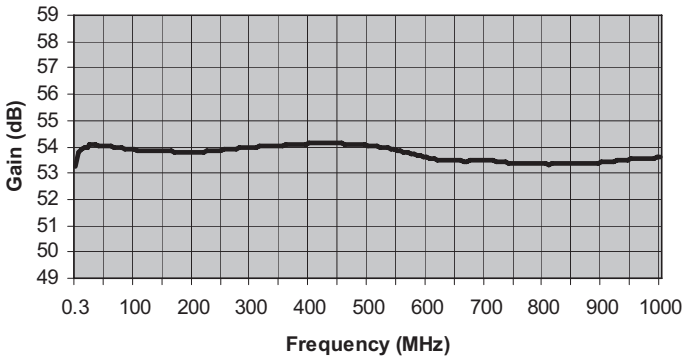
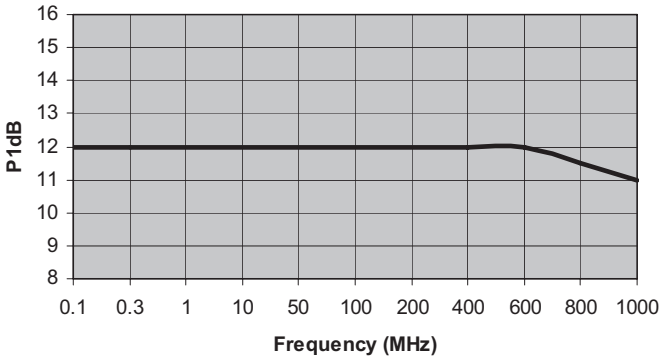
MITEQ AM-4A-000110 AMPLIFIER

FREQUENCY (MHz)	MODEL NUMBER	GAIN (dB) (Min.)	VAR. (±dB) (Max.)	VSWR (Max.)	IMPED. IN/OUT (Ohms)	NOISE FIGURE (dB, Typ.)	P1 dB (dBm) (Typ.)	VOLTS	NOM. DC POWER (mA)	OUTLINE NO.
1–1000	AM-4A-000110	50	1	2.0:1	50/50	1.6	10	15	95	4

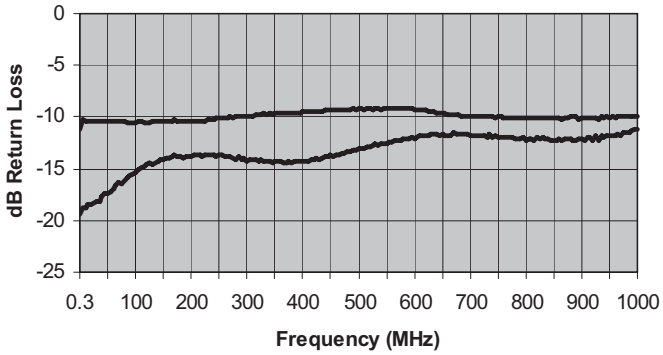
Gain (dB)



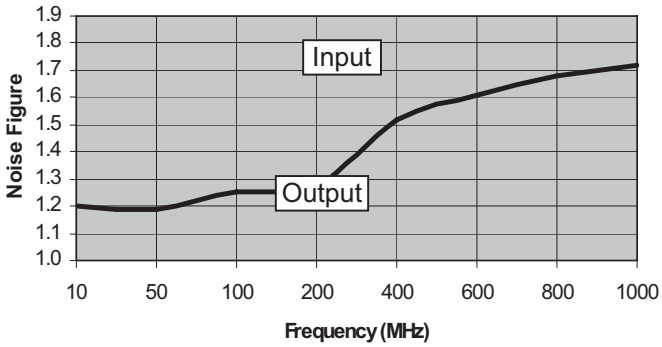
Output -1dB Gain Compression (+dBm)



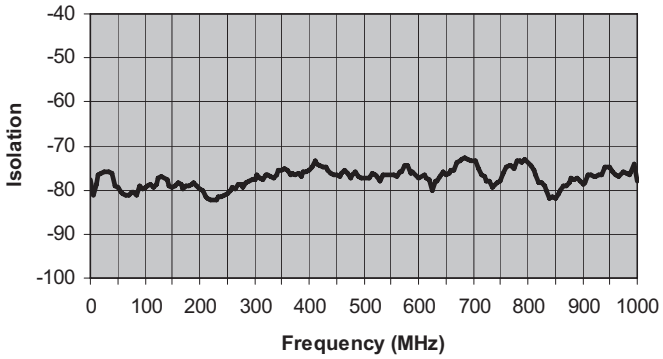
Input & Output Return Loss (dBRL)



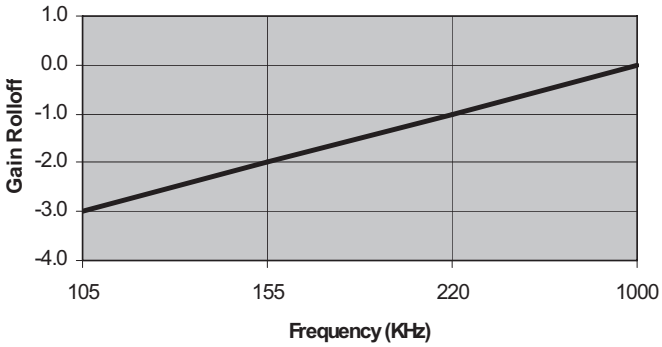
Noise Figure (dB)



Reverse Isolation (dB)



Low Frequency Gain Rolloff (dB)



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AM-4A-000110 051507

MITEQ AM-4A-000110 AMPLIFIER

Freq (MHz)	Gain (dB)
0.3	53.3
5	53.8
10	53.9
15	54.0
20	54.0
25	54.1
30	54.1
35	54.1
40	54.1
45	54.0
50	54.0
55	54.0
60	54.0
65	54.0
70	54.0
75	54.0
80	53.9
85	53.9
90	53.9
95	53.9
100	53.9
105	53.9
110	53.9
115	53.9
120	53.9
125	53.9
130	53.8
135	53.8
140	53.8
145	53.9
150	53.8
155	53.8
160	53.8
165	53.8
170	53.8
175	53.8
180	53.8
185	53.8
190	53.8
195	53.8
200	53.8
205	53.8
210	53.8
215	53.8
220	53.8
225	53.8
230	53.8
235	53.8
240	53.9
245	53.9
250	53.9
255	53.9
260	53.9
265	53.9
270	53.9
275	53.9
280	53.9

Freq (MHz)	Gain (dB)
285	53.9
290	54.0
295	54.0
300	54.0
305	54.0
310	54.0
315	54.0
320	54.0
325	54.0
330	54.0
335	54.0
340	54.0
345	54.0
350	54.1
355	54.1
360	54.1
365	54.1
370	54.1
375	54.1
380	54.1
385	54.1
390	54.1
395	54.1
400	54.1
405	54.1
410	54.1
415	54.2
420	54.1
425	54.1
430	54.2
435	54.2
440	54.1
445	54.1
450	54.1
455	54.1
460	54.1
465	54.1
470	54.1
475	54.1
480	54.1
485	54.1
490	54.1
495	54.1
500	54.1
505	54.1
510	54.0
515	54.0
520	54.0
525	54.0
530	54.0
535	53.9
540	53.9
545	53.9
550	53.9
555	53.8
560	53.8
565	53.8

Freq (MHz)	Gain (dB)
570	53.8
575	53.7
580	53.7
585	53.7
590	53.7
595	53.6
600	53.6
605	53.6
610	53.5
615	53.5
620	53.5
625	53.5
630	53.5
635	53.5
640	53.5
645	53.5
650	53.5
655	53.5
660	53.5
665	53.5
670	53.5
675	53.5
680	53.5
685	53.5
690	53.5
695	53.5
700	53.5
705	53.5
710	53.5
715	53.5
720	53.5
725	53.4
730	53.4
735	53.4
740	53.4
745	53.4
750	53.4
755	53.4
760	53.4
765	53.4
770	53.4
775	53.4
780	53.4
785	53.4
790	53.4
795	53.4
800	53.4
805	53.4
810	53.3
815	53.3
820	53.4
825	53.4
830	53.4
835	53.4
840	53.3
845	53.3
850	53.4

Freq (MHz)	Gain (dB)
855	53.4
860	53.3
865	53.4
870	53.4
875	53.4
880	53.4
885	53.4
890	53.4
895	53.4
900	53.4
905	53.4
910	53.4
915	53.4
920	53.5
925	53.5
930	53.5
935	53.5
940	53.5
945	53.5
950	53.5
955	53.5
960	53.5
965	53.5
970	53.5
975	53.5
980	53.6
985	53.6
990	53.6
995	53.6
1000	53.6

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MITEQ AM-4A-000110 AMPLIFIER

Freq (MHz)	Input VSWR (dBRL)	Output VSWR (dBRL)
0.3	-19	-11
5	-19	-10
10	-19	-10
15	-18	-10
20	-18	-10
25	-18	-10
30	-18	-10
35	-18	-10
40	-18	-10
45	-17	-10
50	-17	-10
55	-17	-10
60	-17	-10
65	-17	-10
70	-16	-10
75	-16	-10
80	-16	-10
85	-16	-11
90	-16	-11
95	-16	-11
100	-15	-11
105	-15	-10
110	-15	-10
115	-15	-10
120	-15	-11
125	-14	-11
130	-15	-10
135	-14	-10
140	-14	-10
145	-14	-10
150	-14	-10
155	-14	-10
160	-14	-10
165	-14	-10
170	-14	-10
175	-14	-10
180	-14	-10
185	-14	-10
190	-14	-10
195	-14	-10
200	-14	-10
205	-14	-10
210	-14	-10
215	-14	-10
220	-14	-10
225	-14	-10
230	-14	-10
235	-14	-10
240	-14	-10
245	-14	-10
250	-14	-10
255	-14	-10
260	-14	-10
265	-14	-10
270	-14	-10
275	-14	-10
280	-14	-10
285	-14	-10
290	-14	-10
295	-14	-10
300	-14	-10
305	-14	-10
310	-14	-10
315	-14	-10
320	-14	-10
325	-14	-10
330	-14	-10
335	-14	-10
340	-14	-10
345	-14	-10
350	-14	-10
355	-14	-10
360	-14	-10
365	-14	-10
370	-14	-10
375	-14	-10
380	-14	-10
385	-14	-10
390	-14	-10
395	-14	-10
400	-14	-10
405	-14	-10
410	-14	-9
415	-14	-9
420	-14	-9
425	-14	-9
430	-14	-9
435	-14	-9
440	-14	-9
445	-14	-9
450	-14	-9
455	-14	-9
460	-14	-9
465	-14	-9
470	-14	-9
475	-14	-9
480	-13	-9
485	-13	-9
490	-13	-9
495	-13	-9
500	-13	-9
505	-13	-9
510	-13	-9
515	-13	-9
520	-13	-9
525	-13	-9
530	-13	-9
535	-13	-9
540	-13	-9
545	-13	-9
550	-13	-9
555	-12	-9
560	-12	-9
565	-12	-9
570	-12	-9
575	-12	-9
580	-12	-9
585	-12	-9
590	-12	-9
595	-12	-9
600	-12	-9
605	-12	-9
610	-12	-9
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635	-12	-10
640	-12	-10
645	-12	-10
650	-12	-10
655	-12	-10
660	-12	-10
665	-12	-10
670	-11	-10
675	-12	-10
680	-12	-10
685	-12	-10
690	-12	-10
695	-12	-10
700	-12	-10
705	-12	-10
710	-12	-10
715	-12	-10
720	-12	-10
725	-12	-10
730	-12	-10
735	-12	-10
740	-12	-10
745	-12	-10
750	-12	-10
755	-12	-10
760	-12	-10
765	-12	-10
770	-12	-10
775	-12	-10
780	-12	-10
785	-12	-10
790	-12	-10
795	-12	-10
800	-12	-10
805	-12	-10
810	-12	-10
815	-12	-10
820	-12	-10
825	-12	-10
830	-12	-10
835	-12	-10
840	-12	-10
845	-12	-10
850	-12	-10
855	-12	-10
860	-12	-10
865	-12	-10
870	-12	-10
875	-12	-10
880	-12	-10
885	-12	-10
890	-12	-10
895	-12	-10
900	-12	-10
905	-12	-10
910	-12	-10
915	-12	-10
920	-12	-10
925	-12	-10
930	-12	-10
935	-12	-10
940	-12	-10
945	-12	-10
950	-12	-10
955	-12	-10
960	-12	-10
965	-12	-10
970	-12	-10
975	-12	-10
980	-11	-10
985	-11	-10
990	-11	-10
995	-11	-10
1000	-11	-10

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AM-4A-000110 051507

MITEQ AM-4A-000110 AMPLIFIER

Freq (MHz)	Reverse Isolation (dB)
0.3	-78
5	-81
10	-79
15	-76
20	-76
25	-76
30	-76
35	-76
40	-76
45	-79
50	-79
55	-80
60	-81
65	-81
70	-81
75	-81
80	-80
85	-81
90	-79
95	-80
100	-79
105	-79
110	-79
115	-79
120	-79
125	-77
130	-77
135	-77
140	-78
145	-79
150	-79
155	-79
160	-78
165	-79
170	-80
175	-79
180	-79
185	-79
190	-78
195	-79
200	-80
205	-80
210	-82
215	-82
220	-82
225	-82
230	-82
235	-81
240	-81
245	-81
250	-81
255	-80
260	-79
265	-80
270	-79
275	-79
280	-79
285	-78
290	-78
295	-78
300	-78
305	-77
310	-77
315	-78
320	-77
325	-77
330	-77
335	-77
340	-77
345	-76
350	-76
355	-75
360	-76
365	-77
370	-76
375	-77
380	-76
385	-77
390	-76
395	-76
400	-75
405	-75
410	-73
415	-74
420	-75
425	-75
430	-75
435	-75
440	-76
445	-77
450	-77
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680	-73
685	-73
690	-73
695	-73
700	-73
705	-73
710	-75
715	-76
720	-77
725	-78
730	-78
735	-79
740	-79
745	-78
750	-78
755	-76
760	-75
765	-74
770	-74
775	-75
780	-73
785	-73
790	-74
795	-73
800	-74
805	-75
810	-76
815	-77
820	-78
825	-78
830	-79
835	-80
840	-82
845	-82
850	-82
855	-81
860	-80
865	-79
870	-79
875	-78
880	-77
885	-78
890	-77
895	-78
900	-79
905	-78
910	-77
915	-76
920	-77
925	-77
930	-76
935	-77
940	-75
945	-75
950	-75
955	-76
960	-77
965	-77
970	-77
975	-76
980	-76
985	-76
990	-76
995	-74
1000	-78

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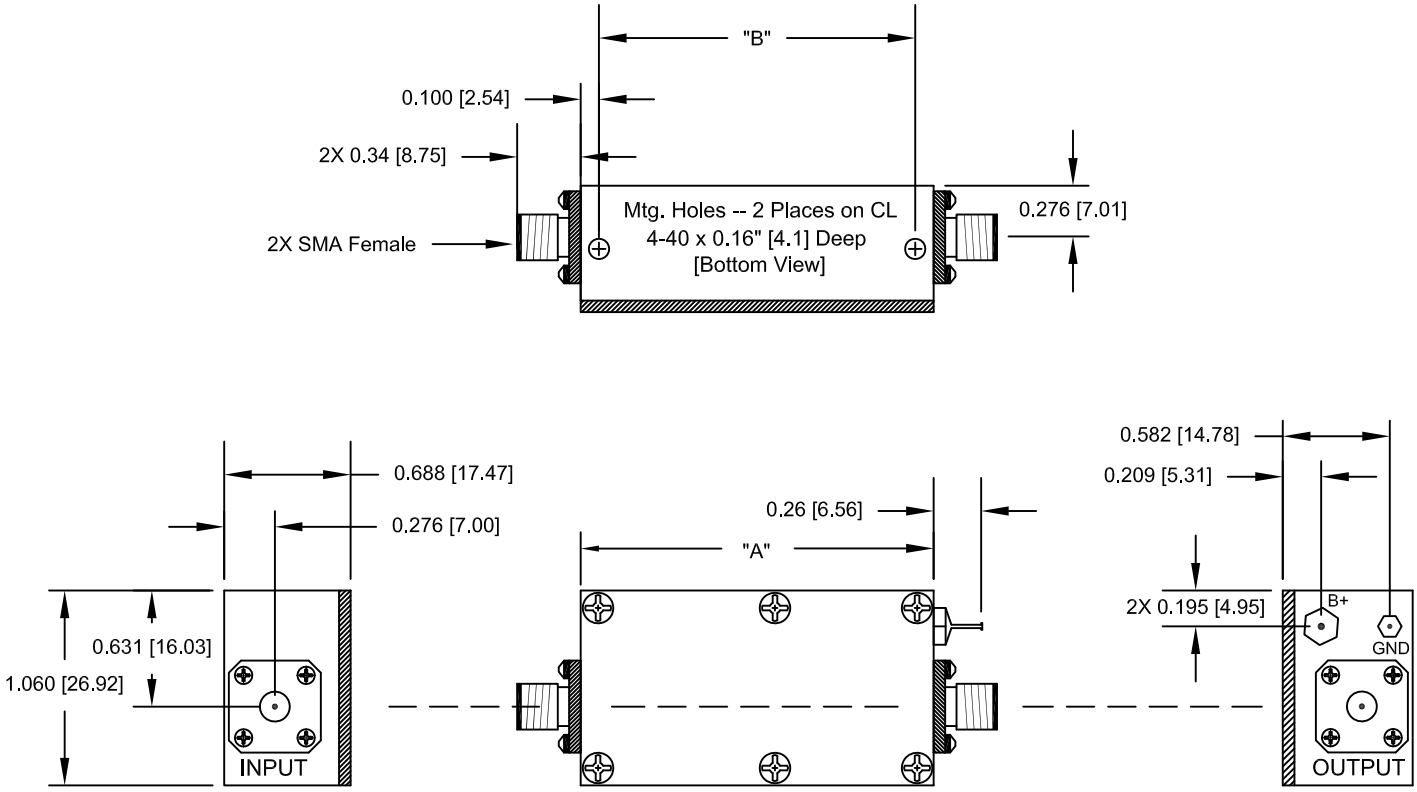
DASH NO.	APPLICATION		REVISIONS			
	NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			A	INITIAL RELEASE DWO#91011898	11/21/2007	L. Kammer



NOTES:
1. OPTIONALLY AVAILABLE WITH BNC-FEMALE, N-FEMALE AND N-MALE CONNECTORS.

Dinensions Are Inches [mm]

Outline	Dim "A" Inch [mm]	Dim "B" Inch [mm]	Weight ounce [gm]
1S	1.11 [28.2]	0.91 [23.1]	1.2 [34]
2S	1.92 [48.8]	1.72 [43.7]	1.8 [50]
3S	2.74 [69.6]	2.54 [64.5]	2.3 [66]
4S	3.55 [90.2]	3.35 [85.1]	3.0 [84]
5S	4.48 [113.8]	4.28 [109.0]	3.6 [102]

(OUTLINE #1-5 Slimline)

ALL PAGES ARE OF ORIGINAL ISSUE (A) EXCEPT AS NOTED.

CONTR NO. 20P010

	NAME	DATE
PREP BY	L. Kammer	11/21/2007
CHKD BY	L. Kammer	11/21/2007
PROJ ENGR	B. Pope	11/21/2007
APPROVAL (PROJ)		
APPROVAL (GOVT)		

MITEQ
100 Davids Drive, Hauppauge, New York 11788

OUTLINE DRAWING
AMPLIFIER
SLIMLINE

SIZE	CODE IDENT. NO.	
A	33592	179685

SCALE	REV. A	SHEET 1 OF 1