

	Cage Code:	Title:	Date:	Rev:	Model no:
	02WLO	<b>PRODUCT DATA</b> <b>(subject to change)</b>	1/10/06	None	<b>HL1-110</b>

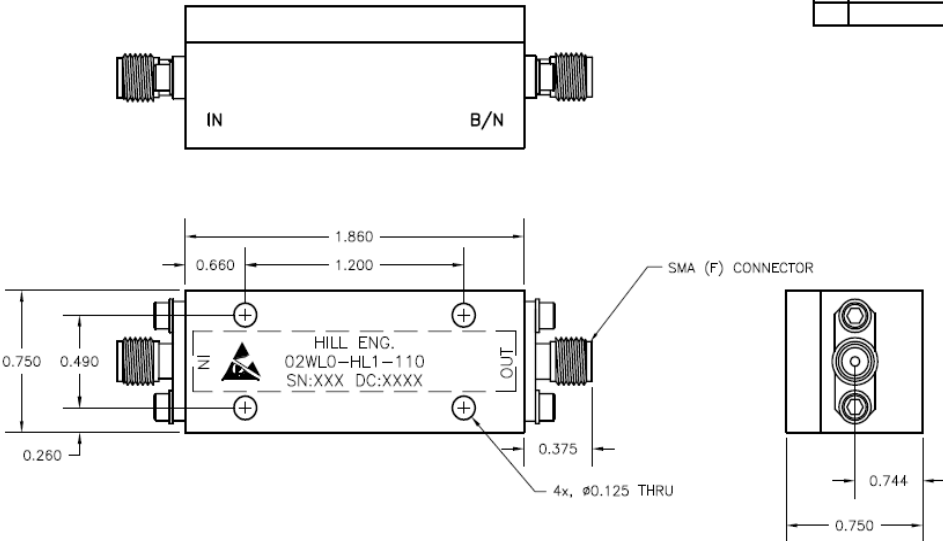
**This document describes the performance of a high power limiter. Limiters are not reciprocal devices. Please be sure that high power is applied at the input port only.**

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1	POWER SPECIFICATION	IN BAND				
1.1	FREQUENCY		20	1100	MHz	
1.2	PEAK POWER			200	WATTS	
1.3	PULSE WIDTH			130	Us	
1.4	DUTY			34	%	
1.5	AVERAGE POWER			60	WATTS	
1.6	CW POWER			60	WATTS	
2	POWER SPECIFICATIONS	GUARD BAND				
2.1	FREQUENCY		2500	3000	MHz	
2.2	PEAK POWER			10	WATTS	
2.3	PULSE WIDTH			1	μs	
2.4	DUTY			1	%	
2.5	AVG. POWER			1	WATTS	
3	POWER SPECIFICATIONS	OUT OF BAND				
3.1	FREQUENCY			>3000	MHz	
3.2	PEAK POWER			1	WATTS	
3.3	PULSE WIDTH			1	μs	
3.4	DUTY			1	%	
3.5	AVG. POWER			0.01	WATTS	
4	OPERATING FREQUENCY		20	1100	MHz	
5	INSERTION LOSS					
5.1	LOSS			0.38	dB	
6.1	FLAT LEAKAGE			14	dBm	10 dBm TYPICAL
7	SPIKE				dBm	<b>NOT SPECIFIED</b>
7.1	SPIKE ENERGY				erg	<b>NOT SPECIFIED</b>
8	RECOVERY TIME				μs	<b>NOT SPECIFIED</b>
9	VSWR					
9.1	SOURCE			1.5:1		

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ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
9.2	UNIT			1.2:1		
9.3	LOAD			1.5:1		
9.4	CHARACTERISTIC IMPEDANCE					50 Ohms
10	CONNECTORS					
10.1	RF					SMA Female
12	MECHANICAL					
12.1	WEIGHT			3.2	Oz.	
12.2	OUTLINE					Drawing 4095 below
13	ENVIRONMENTAL					
13.1	OPERATING TEMPERATURE		-20	+70	°C	
13.2	STORAGE TEMPERATURE		-55	+85	°C	
13.3	VIBRATION LEVEL					Ground Fixed
14	SCREENING					SCREEN PER QP-121 LEVEL 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE EDNR #2910	1/31/06	JH




SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

NOTES:

- FINISH:  
CHEMICAL FILM PER MIL-C-5541.
- MARKING:  
2a. MARK PER HILL ENG. MEI-147.  
2b. MARKING: .06" BLACK CHARACTERS.  
2c. LABEL: METALIZED POLYESTER SHEET P/N 127-0010.
- DATECODE FORMAT SHALL BE (YYWK).

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN INCHES		APPROVALS		DATE	
DRAWING 81/04	DECIMALS 1/16	FRACTIONS 3/8	HILDED	SURFACE	45°
REMOVE ALL BARRIERS FROM PARTS		DRAWN BY	TLR	1/31/06	
MATERIAL:		CHECKED BY	1/31/06		
FINISH:		ENGINEER	2/1/06		
NEXT ASSY. USED ON		MANUFACTURING	2/1/06		
HL1-110		CUSTOMER APPROVALS	DATE		



DRAWING TITLE: **OUTLINE, LIMITER**

SIZE: R    CAGE CODE: 02WLO    DRAWING NO. 4095    REV: -