

	Cage Code:	Title:	Date:	Rev:	Model no:
	02WLO	<b>PRODUCT DATA</b> <b>(subject to change)</b>	12/14/09	None	<b>HL1-123</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		1.5	30	MHz	
1.2	PEAK POWER			100	WATTS	
1.3	PULSE WIDTH			CW	μs	
1.4	DUTY			CW	%	
1.5	AVERAGE POWER			100	WATTS	
1.6	CW POWER			100	WATTS	
2	POWER SPECIFICATIONS	GUARD BAND				
2.1	FREQUENCY		30	3500	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			>3500	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		1.5	30	MHz	
5	INSERTION LOSS					
5.1	LOSS			0.5	dB	
6.1	FLAT LEAKAGE			+10	dBm	
7	SPIKE				dBm	NOT SPECIFIED
7.1	SPIKE ENERGY				erg	NOT SPECIFIED
8	RECOVERY TIME				μs	NOT SPECIFIED

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ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
9	VSWR					
9.1	SOURCE			1.5:1		
9.2	UNIT			1.5:1		
9.3	LOAD			1.5:1		
9.4	CHARACTERISTIC IMPEDANCE					50 Ohms
9.5	AC Coupling					This Unit has internally mounted DC block
10	CONNECTORS					
10.1	RF					SMA Female on Input & Output
12	MECHANICAL					
12.1	WEIGHT			4.6	Oz.	
12.2	OUTLINE					DWG 4407 below
13	ENVIRONMENTAL					
13.1	OPERATING TEMPERATURE		-20	+70	°C	
13.2	STORAGE TEMPERATURE		-55	+85	°C	
13.3	VIBRATION LEVEL					Ground Mobile
14	SCREENING					SCREEN PER QP-121 LEVEL 3



Cage Code: 02WLO

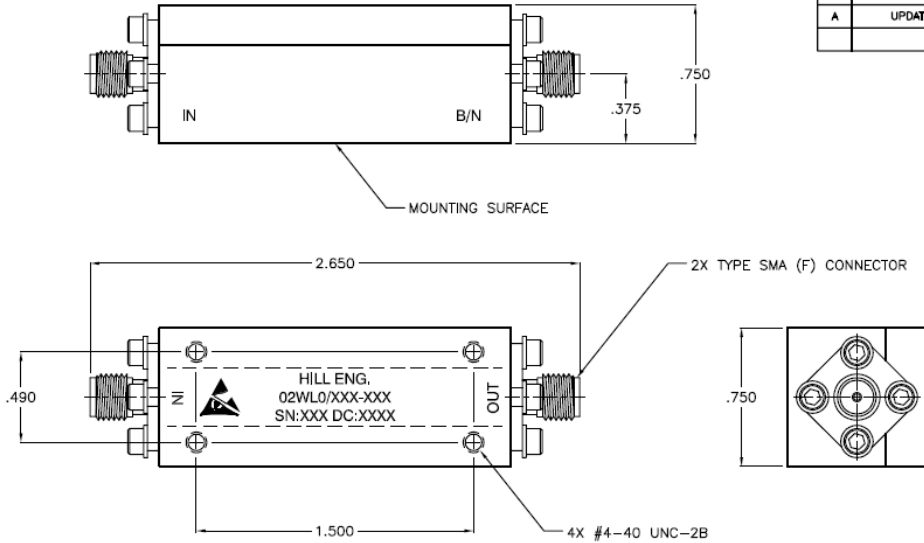
Title: **PRODUCT DATA**  
(subject to change)

Date: 12/14/09

Rev: None

Model no: **HL1-123**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE EDNR #3666	8/24/07	MCS
A	UPDATE PER ECN #4463	10/4/07	MCS



- NOTES:
- FINISH:  
CHEMICAL FILM PER HILL IP-125
  - 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).

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES AND SURFACE FINISH		APPROVALS		DATE	
FRACTIONS	DECIMALS	INCHES	ANGLES	DATE	DATE
1/16"	.001"	30°	AS SHOWN	8/24/07	8/24/07
REMOVE ALL BURRS FROM PARTS		DRAWN BY		TLB	
		CHECKED BY		M SCOTT	
		MANUFACTURED BY		M SCOTT	
		QC		M SCOTT	
		CUSTOMER APPROVALS		8/24/07	
NEXT ASSY USED ON		DRAWING TITLE		OUTLINE, LIMITER	
APPLICATIONS		DO NOT SCALE DRAWING		SCALE 2/1	
		SIZE		B	
		CASE CODE		02WLO	
		DRAWING NO.		4407	
		REV		A	
		FILENAME		4407a	
		SHEET		1 of 1	

