

	Cage Code:	Title:	Date:	Rev:	Model no:
	02WLO	PRODUCT DATA (subject to change)	2/20/03	N/A	HL2-235

This document describes the performance of a high power limiter. This limiter is passive i.e.; no externally applied bias voltage or control signal is required. Limiters are not reciprocal devices. Please be sure that high power is applied at the input port only and that the device is properly heat sunk.

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1	POWER SPECIFICATION	IN BAND				
1.1	FREQUENCY		0.5	4	GHz	
1.2	PEAK POWER			1000	WATTS	
1.3	PULSE WIDTH			50	μS	
1.4	DUTY			5	%	
1.5	AVG. POWER			50	WATTS	
2.0	POWER SPECIFICATIONS	GUARD BAND				NOT USED
3	POWER SPECIFICATIONS	OUT OF BAND				
3.1	FREQUENCY			>4	GHz	
3.2	PEAK POWER			0.1	WATTS	
3.3	PULSE WIDTH			CW	μS	
3.4	DUTY			100	%	
3.5	AVG. POWER			0.1	WATTS	
4	OPERATING FREQUENCY		0.5	4.0	GHz	
5	INSERTION LOSS					
5.1	INSERTION LOSS			0.7	dB	
5.2	1.0 dB COMPRESSION		8		dBm	
6	FLAT LEAKAGE					
6.1				18	dBm	
7	SPIKE					
7.1	SPIKE			27	dBm	Max value. Will vary with rise time of threat pulse
7.2	SPIKE ENERGY			0.5	erg	
8	RECOVERY TIME					
8.1				5.0	uS	
9	VSWR					
9.1				1.7:1		
10	CONNECTORS					SMA FEMALE



Cage Code: 02WLO

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

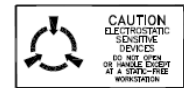
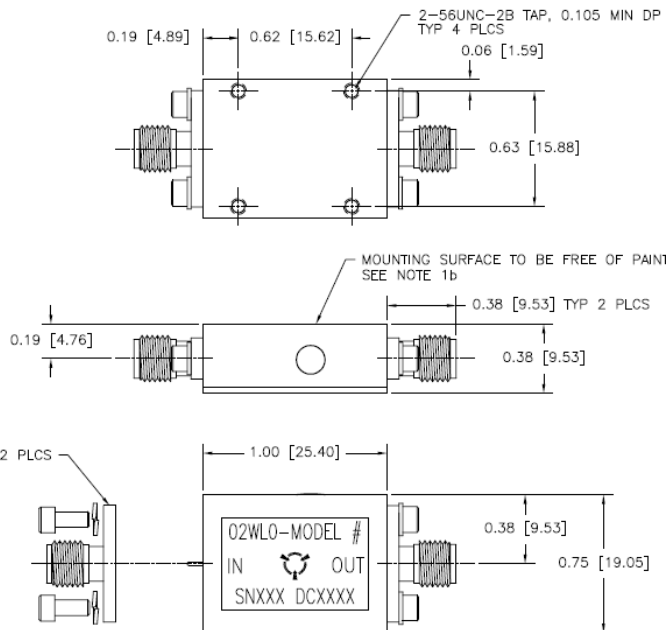
Date: 2/20/03

Rev: N/A

Model no: **HL2-235**

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
11	MECHANICAL					
11.1	WEIGHT			1.5	Oz.	
11.2	OUTLINE					SEE DWG 3415
12	ENVIRONMENTAL					
12.1	OPERATING TEMPERATURE		-0	+71	°C	
12.2	STORAGE TEMPERATURE		-55	+85	°C	
12.3	VIBRATION LEVEL					GROUND TRANSPORT
12.4	ALTITUDE			10,000	Ft	
13	SCREENING					SCREEN PER QP-121 LEVEL 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE DRN #1393	8/21/01	JCH



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

- NOTES:
- FINISH: MATTE BLACK EPOXY PAINT PER FED-STD-595 AND MIL-STD-22750.
 - MOUNTING SURFACE SHALL BE CHEMICAL FILM PER MIL-C-5541
 - MARKING:
 - MARK PER HILL MEI-147
 - MARKING: 0.08" HIGH BLACK CHARACTERS.
 - LABEL: METALIZED POLYESTER SHEET P/N 127-0010.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		APPROVALS		DATE	
FRACTIONS	DECIMALS	ANGLES	SURFACE	DRAWN BY	DATE
±1/64	0.0015	±30'	AS SHOWN	DG BARKER	8/15/01
				CHECKED BY	
				ENGINEER	8/21/01
				MANUFACTURING	8/21/01
				QC	8/21/01
				CUSTOMER APPROVALS	

GENERAL	MATERIAL:	FINISH:	SEE NOTE 1
NEXT ASSY	USED ON		
APPLICATIONS	DO NOT SCALE DRAWING		

COMTECH PST Hill Engineering Division			
DRAWING TITLE: OUTLINE LIMITER			
SIZE: B	CAGE CODE: 02WLO	DRAWING NO: 3415	REV: -
SCALE: 2/1	FILENAME: 3415-	SHEET 1 OF 1	