

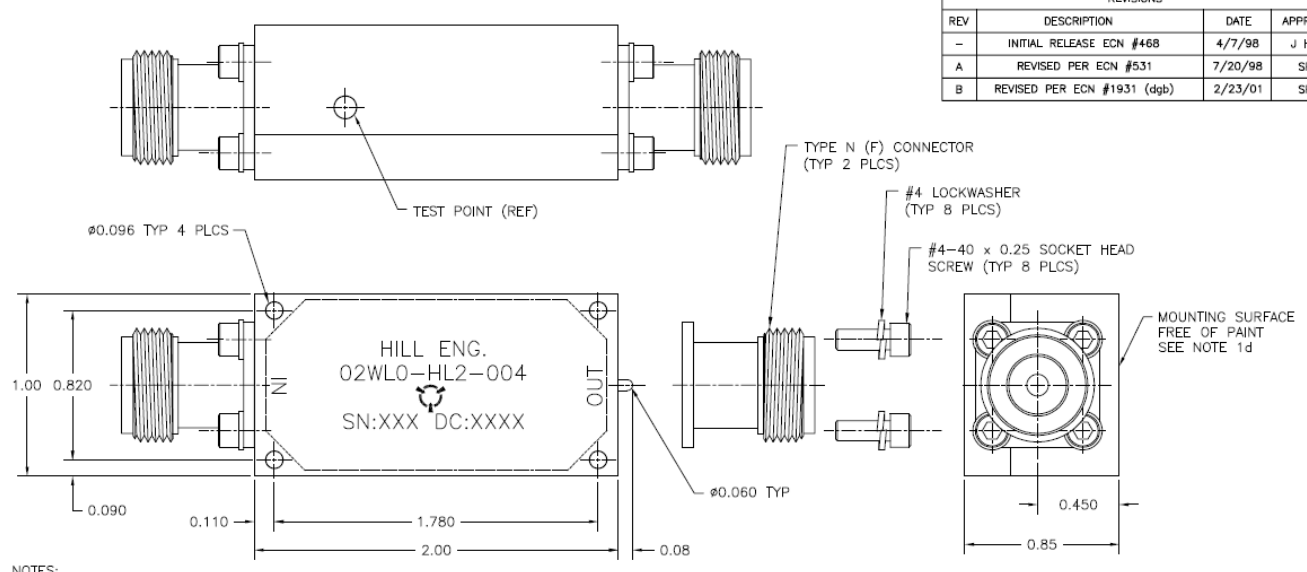
	Cage Code:	Title:	Date:	Rev:	Model no:
	02WLO	PRODUCT DATA (subject to change)	2/23/01	None	HL2-004

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.

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1	POWER SPECIFICATION	IN BAND				
1.1	FREQUENCY		960	1400	MHz	
1.2	PEAK POWER			100	WATTS	
1.3	PULSE WIDTH		6.4	66	μS	
1.4	DUTY			50	%	
1.5	AVG. POWER			50	WATTS	
2	POWER SPECIFICATIONS	GUARD BAND				
2.1	FREQUENCY		1400	2000	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			>2000	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		960	1400	MHz	
5	INSERTION LOSS					
5.1				0.8	dB	
6	FLAT LEAKAGE					
6.1				22	dBm	
7	SPIKE					
7.1	SPIKE ENERGY			0.1	erg	
8	RECOVERY TIME					
8.1				7	μS	

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ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
9	VSWR					
9.1				1.5:1		
10	CONNECTORS					
10.1	RF TEST					TYPE N (F)
10.2	DROP-IN					0.062" SOLDER PINS
11	MECHANICAL					
11.1	WEIGHT			6	Oz.	
11.2	OUTLINE					SEE DWG 2735 below
12	ENVIRONMENTAL					
12.1	OPERATING TEMPERATURE		-20	+60	°C	
12.2	STORAGE TEMPERATURE		-40	+71	°C	
12.3	VIBRATION LEVEL					SHIPBOARD
13	SCREENING					SCREEN PER QP-121 LEVEL 3



REVISIONS

REV	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE ECN #468	4/7/98	J HILL
A	REVISED PER ECN #531	7/20/98	SPL
B	REVISED PER ECN #1931 (dgb)	2/23/01	SPL

NOTES:

1. FINISH:
 - 1a. PAINT PER HILL ENG. MEI-105.
 - 1b. PRIMER: ZRC ZINC PRIMER P/N 172-0003.
 - 1c. PAINT: FLAT BLACK EPOXY ENAMEL P/N 172-0002.
 - 1d. MOUNTING SURFACE: SILVER PLATE PER HILL ENG. IP-113.
2. MARKING:
 - 2a. MARK PER HILL ENG. MEI-147.
 - 2b. MARKING: 0.08" BLACK CHARACTERS.
 - 2c. LABEL: METALIZED POLYESTER SHEET P/N 127-0010.
3. DATECODE FORMAT SHALL BE (YYWK).

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	
FRACTIONS	SURFACE
1/16"	25 ± 0.02
3/32"	± 0.02
REMOVE ALL BURRS FROM PARTS	
MATERIAL:	
FINISH:	

APPROVALS	DATE
DRAWN BY: HIR BENSON	4/7/98
CHECKED BY:	
ENGINEER: SP LEROUX	4/10/98
MANUFACTURING: J WARD	4/10/98
QC: J HILL	4/10/98
CUSTOMER APPROVALS:	

COMTECH PST Hill Engineering Division			
DRAWING TITLE: OUTLINE LIMITER, TYPE N			
SIZE: B	CAGE CODE: 02WLO	DRAWING NO.: 2735	REV: B
SCALE: 2/1	FILENAME: 2735B	SHEET 1 OF 1	