

	Cage Code:	Title:	Date:	Rev:	Model no:
	02WLO	PRODUCT DATA (Subject to change)	12/18/09	N/A	HL6-002

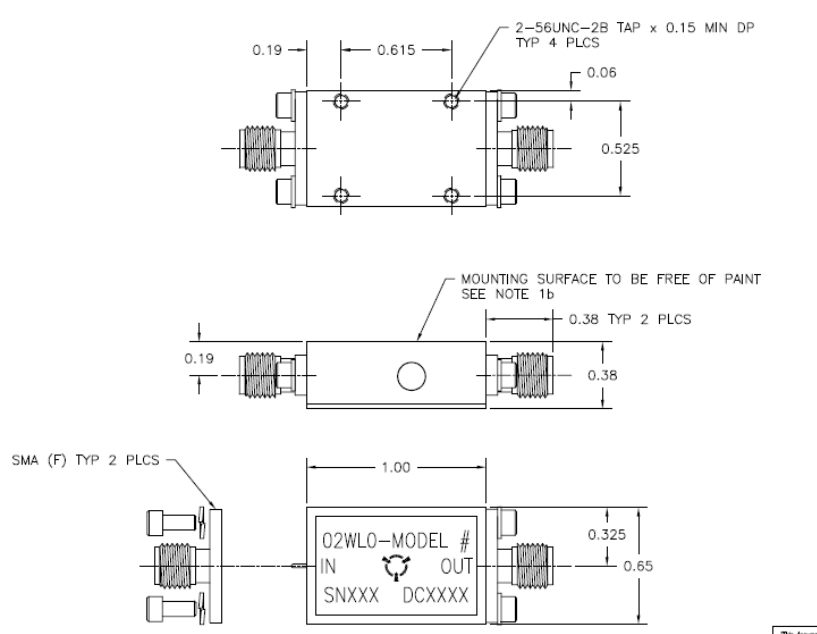
This document describes the Specification for a high power limiter. This limiter is passive, i.e., no externally applied bias voltage or control signal is required.

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1	POWER SPECIFICATION	IN BAND				
1.1	FREQUENCY		14	16	GHz	
1.2	PEAK POWER			20	WATTS	ABSOLUTE MAXIMUM
1.3	RF PULSE WIDTH			CW		
1.4	DUTY			CW	%	
2	POWER SPECIFICATIONS	GUARD BAND				
2.1	FREQUENCY		16	17.5	GHz	
2.2	PEAK POWER			1	WATTS	
2.3	PULSE WIDTH			CW	μS	
2.4	DUTY			CW	%	
3	POWER SPECIFICATIONS	OUT OF BAND				
3.1	FREQUENCY			>17.5	GHz	
3.2	PEAK POWER			0.01	WATTS	
3.3	PULSE WIDTH			CW	μS	
3.4	DUTY			CW	%	
4	OPERATING FREQUENCY		14	16	GHz	
5	INSERTION LOSS			1.3	dB	
6	LEAKAGE					
6.1	FLAT			18	dBm	
6.2	SPIKE			0.1	ERG	
7	RECOVERY TIME			10	μS	
8	VSWR					
8.1	INPUT			1.60:1	---	
8.2	OUTPUT			1.60:1	---	
9	HARMONICS & SPURS					
9.1	INTERNALLY GENERATED					NOT SPECIFIED
10	CONNECTORS					
10.1	RF					SMA FEMALE
11	DC POWER					NOT REQUIRED

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ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
13	MECHANICAL					
13.1	WEIGHT			2	OZ	
13.2	OUTLINE					SEE DWG 3416
14	ENVIRONMENTAL	40Kft				Gross leak seal 1x10-4
14.1	OPERATING TEMPERATURE		-40	+85	°C	
14.2	STORAGE TEMPERATURE		-55	+85	°C	
14.3	VIBRATION LEVEL					GROUND TRANSPORT

NOTE 1: Environmental values are designed for but not tested.



2-56UNC-2B TAP x 0.15 MIN DP
TYP 4 PLCS

0.19 0.615 0.06 0.525

MOUNTING SURFACE TO BE FREE OF PAINT
SEE NOTE 1b

0.19 0.38 TYP 2 PLCS 0.38

SMA (F) TYP 2 PLCS

1.00 0.325 0.65

02WLO-MODEL #
IN OUT
SNXXX DCXXXX

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE DRN #1394	8/21/01	JCH

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:			
FRACTIONS	DECIMALS	ANGLES	SURFACE
±1/64	±0.005	±30°	AS SHOWN
SEE 8.2	SEE 8.2	SEE 8.2	SEE 8.2
REMOVE ALL BURRS FROM PARTS			

APPROVALS		DATE
DRAWN BY	DC BARKER	8/15/01
CHECKED BY	JC HILL	8/21/01
ENGINEER	JC HILL	8/21/01
MANUFACTURING	JA WARD	8/21/01
QC	JC HILL	8/21/01
CUSTOMER APPROVALS		

DRAWING TITLE:		OUTLINE LIMITER	
SIZE	CAGE CODE	DRAWING NO.	REV
B	02WLO	03H03416-01	A
SCALE:	2/1	FILENAME: 03H03416-01.dwg	SHEET 1 OF 1