

	Cage Code:	Title:	Date:	Rev:	Model no:
	02WLO	PRODUCT DATA (Subject to change)	12/18/09	N/A	HL6-135

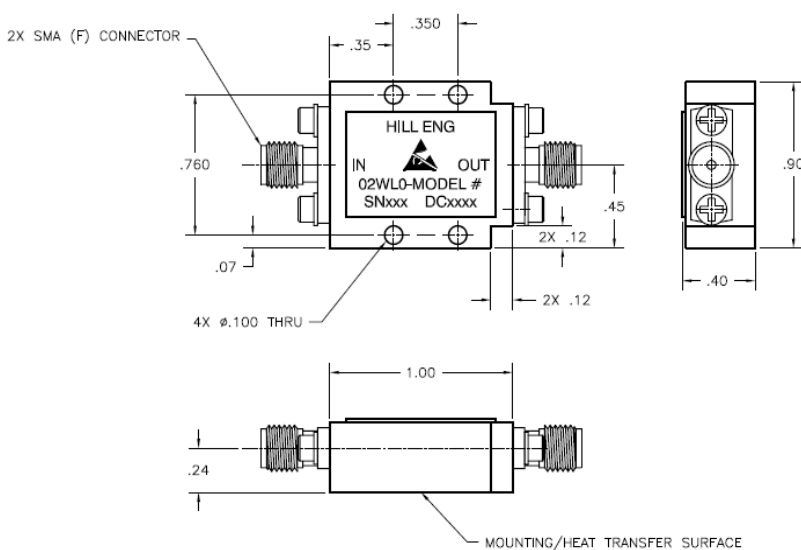
This document describes the performance of a high power limiter. This limiter requires an externally supplied bias voltage as a control signal.

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1	POWER SPECIFICATION	IN BAND				
1.1	FREQUENCY		6	18	GHz	
1.2	PEAK POWER			1000	WATTS	
1.3	RF PULSE WIDTH			10	µS	
1.4	DUTY			6	%	
1.5	AVERAGE POWER			60	WATTS	
1.6	CW POWER			40	WATTS	
2	POWER SPECIFICATIONS	GUARD BAND				
2.1	FREQUENCY		18	18.5	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			>18.5	GHz	
3.2	PEAK POWER			0.01	WATTS	
3.3	PULSE WIDTH			CW	µS	
3.4	DUTY			CW	%	
4	OPERATING FREQUENCY		6	18	GHz	
5	INSERTION LOSS			2.5	dB	
6	LEAKAGE					
6.1	FLAT			12	dBm	
6.2	SPIKE			0.1	ERG	
7	RECOVERY TIME			6	µS	
8	VSWR					
8.1	INPUT			1.70:1	---	
8.2	OUTPUT			2.0:1	---	
9	HARMONICS & SPURS					
9.1	INTERNALLY GENERATED					NOT SPECIFIED
10	CONNECTORS					
10.1	RF					SMA FEMALE
11	DC POWER		4.8	5.2	VDC	80 MA CURRENT

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ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
13	MECHANICAL					
13.1	WEIGHT			5	OZ	
13.2	OUTLINE					SEE DWG 3963
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.




REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE EDNR #2630	2/9/05	SPL

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: .062" HIGH BLACK CHARACTERS.
 - LABEL: METALIZED POLYESTER SHEET P/N 127-0010.

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN INCHES	APPROVALS	DATE
FRACTIONS: 1/16, 1/32, 1/64	DRAWN BY: TYN BASKEN	2/7/05
DECIMALS: .001, .002, .005, .010, .015, .030, .040, .050, .060, .070, .080, .090, .100	CHECKED BY:	
ANGLES: 30°, 45°, 60°, 90°, 120°, 150°	ENGINEER: SP LEROUX	2/9/05
REMOVE ALL BURRS FROM PARTS	MANUFACTURING: J ALLEN	2/9/05
	QC:	
	CUSTOMER APPROVALS:	

NEXT ASSY:	USED ON:
HL3-092	
APPLICATIONS:	DO NOT SCALE DRAWING

			
DRAWING TITLE: OUTLINE, LIMITER			
SIZE: B	CAGE CODE: 02WLO	DRAWING NO.: 3963	REV: -
SCALE: 2/1	FILENAME: 3963-	SHEET: 1	OF 1