

	Cage Code:	Title:	Date:	Rev:	Model no:
	02WLO	PRODUCT DATA (Subject to change)	12/18/2009	N/A	HL4-026

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. High power is applied to the input port only.

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1	POWER SPECIFICATION	IN BAND				
1.1	FREQUENCY		8.5	9.6	GHz	
1.2	PEAK POWER			1000	WATTS	
1.3	PULSE WIDTH			1	μS	
1.4	DUTY			1	%	
1.5	CW POWER			10	WATTS	
2	POWER SPECIFICATIONS	GUARD BAND				
2.1	FREQUENCY		9.6	10.5	GHz	
2.2	PEAK POWER			10	WATTS	
2.3	PULSE WIDTH			1	μS	
2.4	DUTY			1	%	
2.5	CW POWER			1	WATTS	
3	POWER SPECIFICATIONS	OUT OF BAND				
3.1	FREQUENCY			>10.5	GHz	
3.2	PEAK POWER			1	WATTS	
3.3	PULSE WIDTH			1	μS	
3.4	DUTY			1	%	
3.5	CW POWER			0.1	WATTS	
4	OPERATING FREQUENCY		8.5	9.6	GHz	
5	INSERTION LOSS					
5.1				1.3	dB	
6	FLAT LEAKAGE					
6.1				14	dBm	
7	SPIKE					
7.1				0.1	erg	
8	RECOVERY TIME					
8.1				0.8	μS	

Federal Cage Code 02WLO

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ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
8	VSWR					
81				1.6:1		
9	CONNECTORS					
9.1	RF INPUT					SMAF
9.2	RF OUTPUT					SMAM
10	MECHANICAL					
10.1	WEIGHT			2	Oz.	
10.2	OUTLINE					SEE DWG 2695
11	ENVIRONMENTAL					
11.1	OPERATING TEMPERATURE		-40	+85	°C	
11.2	STORAGE TEMPERATURE		-55	+85	°C	
11.3	VIBRATION LEVEL					GROUND MOBILE
11.4	PRESSURIZATION			N/A	PSIG	
12	SCREENING					SCREEN PER QP-121 LEVEL 3

