

	Cage Code:	Title:	Date:	Rev:	Model no:
	02WLO	<b>PRODUCT DATA</b> (subject to change)	2/20/03	N/A	<b>HL3-131</b>

**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		4.8	5.2	GHz	
1.2	PEAK POWER			600	WATTS	
1.3	PULSE WIDTH			1	μS	
1.4	DUTY			.01	%	
1.5	AVG. POWER			1	WATTS	
1.6	CW POWER			180	WATTS	
3	POWER SPECIFICATIONS	OUT OF BAND				
3.1	FREQUENCY			>5.2	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		4.8	5.2	GHz	
5	INSERTION LOSS					
5.1	INSERTION LOSS			0.7	dB	
5.2	1.0 dB COMPRESSION		8		dBm	
6	FLAT LEAKAGE					
6.1				14	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				10	uS	
9	VSWR					
9.1				1.5:1		
10	CONNECTORS					SMA FEMALE/GMS



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ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
11	MECHANICAL					
11.1	WEIGHT			1.5	Oz.	
11.2	OUTLINE					SEE DWG 4468
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

