COMTECH PST	Cage Code:	Title:		Rev:	Model no:
Hill Engineering Division	02WL0	PRODUCT DATA	Date: 6/4/04		HL3-084
		(subject to change)	0/4/04	None	

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 it is properly heat sunk.

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1	POWER SPECIFICATION	IN BAND				
1.1	FREQUENCY		6.5	7.5	GHz	
1.2	PEAK POWER			50	WATTS	
1.3	PULSE WIDTH			CW		
1.4	DUTY			CW	%	
1.5	AVG. POWER			50	WATTS	
2.0	POWER SPECIFICATIONS	GUARD BAND	7.5	9.5		
	POWER			5	WCW	
3	POWER SPECIFICATIONS	OUT OF BAND				
3.1	FREQUENCY			>9.5	GHz	
3.2	POWER			0.1	WCW	
4	OPERATING FREQUENCY		6.9	7.1	GHz	
5	INSERTION LOSS					
5.1	INSERTION LOSS			1.4	dB	
6	LEAKAGE					
6.1	Flat Leakage			18	dBm	
7	SPIKE	IN BAND				
7.2	SPIKE ENERGY			0.5	erg	
8	RECOVERY TIME					
8.1	RECOVERY HIVE			5.0	uS	
9	VSWR			5.0	uS	
9.1	VOVVN			1.5:1		
10	CONNECTORS			1.3.1		SMA FEMALE
10	CONNECTORS					SIVIA FEIVIALE



ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
11	MECHANICAL					
11.1	WEIGHT			3.5	Oz.	
11.2	OUTLINE					SEE DWG 03H03416-01 below
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

