



Cage Code: 02WLO	Title: PRODUCT DATA (subject to change)	Date: 03/30/01	Rev: N/A	Model no: WL4-007
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This document describes the performance of a high power receiver protector/limiter. This device does not require external bias.

ITEM NO	CHARACTERISTIC	CONDITIONS	MIN	MAX	UNITS	COMMENTS
1.0	POWER SPECIFICATIONS	OPERATING BAND				
1.1.1	FREQUENCY		9.3	10.2	GHz	
1.1.2	PEAK POWER			2000	WATTS	
1.1.3	PULSE WIDTH			32	μS	
1.1.4	DUTY			6	%	
1.1.5	AVERAGE POWER			120	WATTS	
1.2	POWER SPECIFICATIONS	GUARD BAND				
1.2.1	FREQUENCY		10.3	11.5	GHz	
1.2.2	PEAK POWER			100	WATTS	
1.2.3	PULSE WIDTH			32	μS	
1.2.4	DUTY			6	%	
1.2.5	CW POWER			6	WATTS	
1.3	POWER SPECIFICATIONS	OUT OF BAND				
1.3.1	FREQUENCY		>11.5		GHz	
1.3.2	PEAK POWER			0.25	WATTS	
1.3.3	PULSE WIDTH		CW		μS	
1.3.4	DUTY		CW		%	
1.3.5	CW POWER			0.25	WATTS	
2.0	OPERATING FREQUENCY		9.3	10.2	GHz	
3.0	INSERTION LOSS					
3.1.1	HIGH POWER BAND			1.4	dB	
3.1.3	AMPLITUDE FLATNESS				dB	NOTSPECIFIED
4.0	LEAKAGE POWER					
4.1	FLAT LEAKAGE			13	dBm	
4.2	SPIKE LEAKAGE			0.1	ERGS	



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5.0	PHASE					
5.1	MATCHING/TRACKING					NOT SPECIFIED
6.0	VSWR					
6.1.1	INPUT			1.6:1		
6.1.2	SOURCE	Looking to antenna		1.5:1		
8.0	RECOVERY TIME					
8.1.1	To 1.0 dB			3	uS	
9.0	D.C. POWER					NOT REQUIRED
10	CONNECTORS					
10.1.1	RF					WR-90 FLAT FLANGE
11	MECHANICAL					
11.1.1	WEIGHT			.8	LBS	
11.1.2	OUTLINE					SEE DWG 2713 below
11.1.3	WAVEGUIDE PRESSURE			15	PSIG	
12	ENVIRONMENTAL					
12.1.1	OPERATING TEMPERATURE		-40	+70	°C	
12.1.2	STORAGE TEMPERATURE		-50	+85	°C	
12.1.3	VIBRATION LEVEL					GROUND TRANSPORT

Federal Cage Code 02WLO



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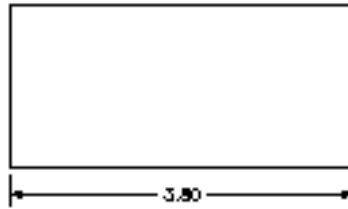
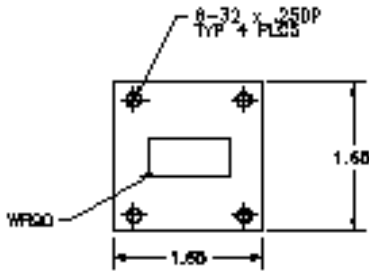
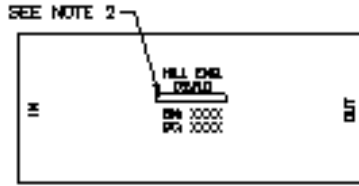
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	METAL FINISHING CODE #448	3/13/00	J HILL
A	FINISHED PER SCH #200 (0200)	6/6/00	J HILL
B	FINISHED PER SCH #201 (0201)	8/20/00	J HILL



- NOTES:
1. FINISH: CHEMICAL FILM
LW NIL-C-5541E, CL 1A, GOLD.
 2. MODEL #
 3. IDENTIFY LW NIL-STD-130
 4. TOLERANCES: XX ±.02
XXX ±.010

APPROVED		DATE		BY			
<p>DESCRIPTION: DUTLINE X BAND LIMITER</p>				<p>REV: B</p>		<p>02WLO 2713</p>	
1/1		2713		1		1	