

➤ **Features:**

- 20 to 3000 MHz
- Gain 14 to 18 dB
- Noise Figure 7.5 dB Max.
- DC Power +5V



**MILLENNIUM
MICROWAVE
CORPORATION**

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SPCL-00106-1

➤ Specifications:

SERIAL NUMBER	80		81			
	J2	J3	J2	J3	J2	J3
SELECTED INPUT	J2	J3	J2	J3	J2	J3
TTL 1	1	0	1	0	1	0
GAIN @ 20MHz						
14.0dB ±0.5dB	14.1	14.1	14.1	14.2		
GAIN @ 3000MHz						
18.5dB ±0.5dB	18.7	18.7	18.8	18.8		
VSWR @ ON PORT						
1.8:1	1.6:1	1.6:1	1.6:1	1.6:1		
VSWR @ J1						
1.6:1	1.4:1	1.4:1	1.4:1	1.4:1		
ISOLATION						
OFF PORT TO J1 *1						
60dB MIN	60.8	60.8	60.8	60.7		
OFF TO ON PORT *2						
60dB MIN	61.1	63.3	61.1	62.5		
J1 TO ON PORT ISO @ 20MHz*1						
40dB MIN	74.0	74.0	74.0	74.0		
J1 TO ON PORT ISO @ 3000MHz*						
47dB MIN	71.0	70.0	70.0	70.0		
P1dB OUTPUT PWR @ 20MHz						
12dBm MIN	12.1	12.1	12.5	12.5		
P1dB OUTPUT PWR @ 3000MHz						
16dBm MIN	16.0	16.0	16.0	16.0		
NOISE FIGURE @ 20MHz						
7.5dB MAX	5.9	5.9	6.0	6.0		
NOISE FIGURE @ 3000MHz *3						
6.0dB MAX	5.8	5.8	5.9	5.9		
DC POWER @ +5VDC						
2W MAX	1.00	1.00	1.15	1.15		

SWITCHING SPEED *5
PORT OFF TO ON
10uS MAX
OPERATING TEMP *5
0°C TO +50°C
WEIGHT, 1.0 lb MAX *5
MAX INPUT POWER, +15dBm *5
IP3 @20MHz *4
+23dBm MIN
IP3 @3000MHz *4
+26dBm MIN

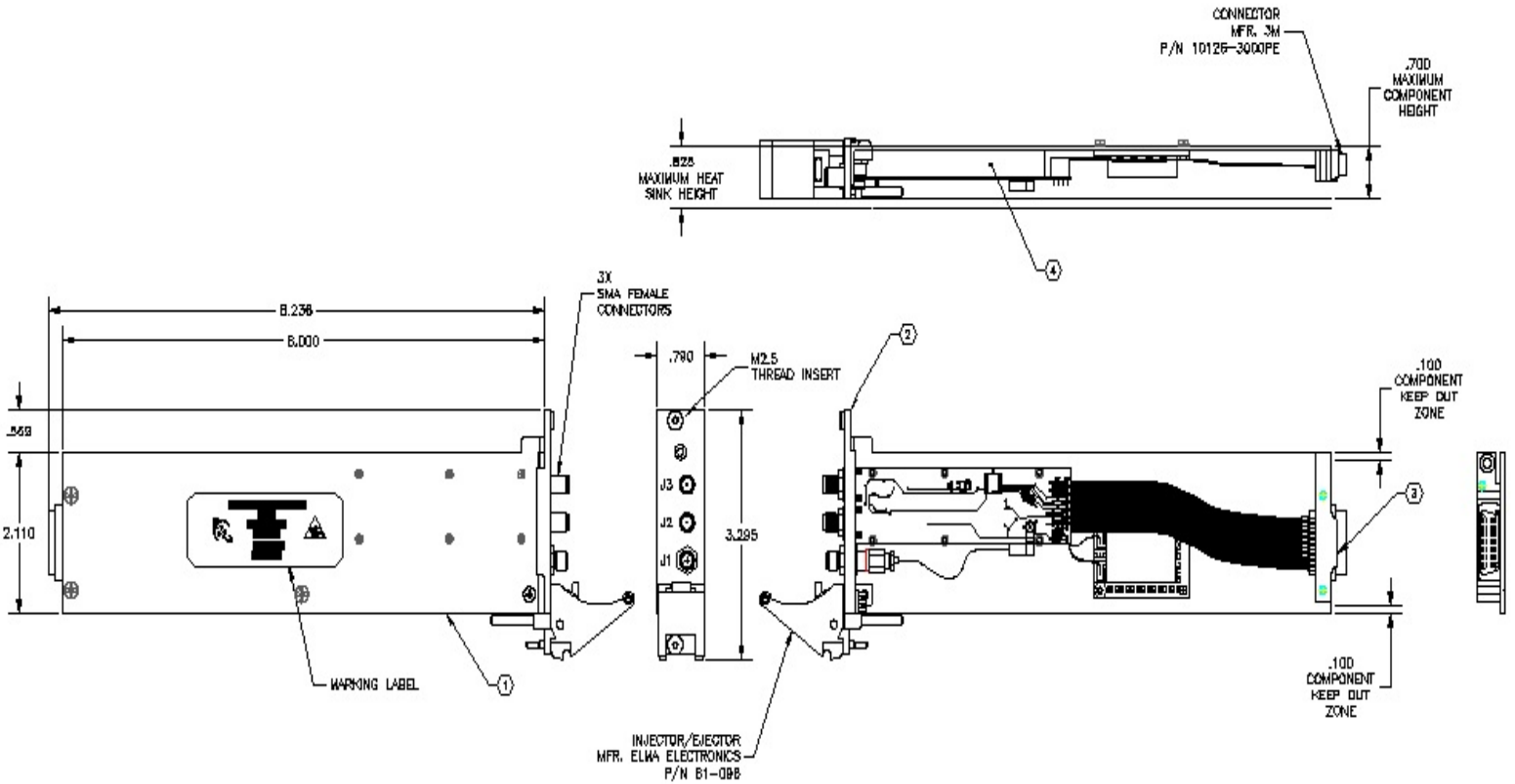
Sense Bits *6						Pass/Fail
B0	B1	B2	B3	B4	B5	
0	NC	0	NC	0	NC	Pass



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➤ Outline Drawing:



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