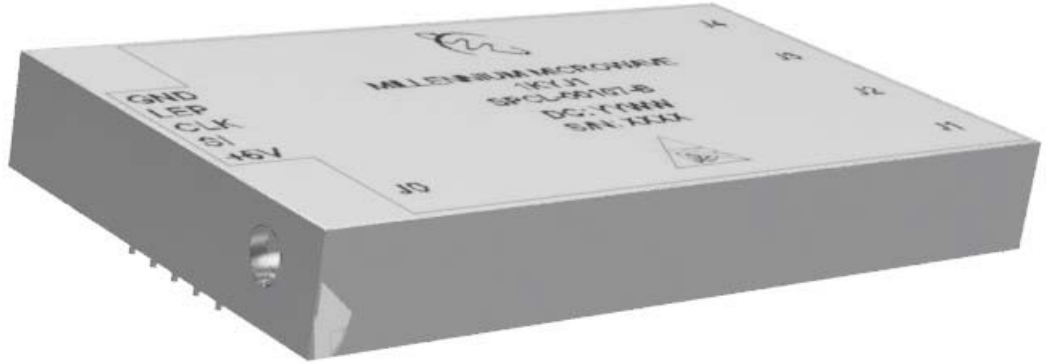


SPCL-00107-B

Features:

- A/D Converter
- 49 to 6000 MHz
- 5V DC
- 56 to 60 dB Gain



Specifications:

ANALOG / DIGITAL CONVERTER MODULE

		Band 1	Band 2	Band 3	Band 4		
Cross Over freq.		49 - 1700	1700 - 2300	2300 - 4000	4000 - 5835		
5.5dB Max							
Small Signal Gain ($\leq -50\text{dBm}$ @ 0dB Atten)		58 \pm 1dB (200 - 1360MHz)	60 \pm 1dB	60 \pm 1dB	60 \pm 1dB		
VSWR		2.5:1 MAX 49 - 1360 MHz	2.5:1 MAX 1760 - 2240 MHz	2.5:1 MAX 2470 - 3830 MHz	2.5:1 MAX 4184 - 5651 MHz		
IN (2.5:1) 7.4 dB						RF POWER 28dBm max <5 miutes 11dBm max CW	
OUT (2.0:1) 9.5 dB							
LOW SIDE REJECTION FROM 49 MHz *1	50 dB	N/A	1100 MHz	1700 MHz	2300 MHz	*1 Rejection is measured from maximum in-band gain.	
HIGH SIDE REJECTION UP TO 6000MHz *1	50 dB	2300 MHz	4000 MHz	5835 MHz			
DSA=0dB	30 dB				@ 6165 MHz		
ATTENUATION REFERENCED TO NORMALIZED PASSBAND RESPONSE SERIAL CONTROL	0	reference	reference	reference	reference	\pm 0.15	00000000
	10					\pm 1	00101000
	20					\pm 2	01010000
	30					\pm 3.175	01111000
Reference Peregrine PE43711 for all attenuation states and serial protocol (LSB first)							
+5V @ 1A Max							

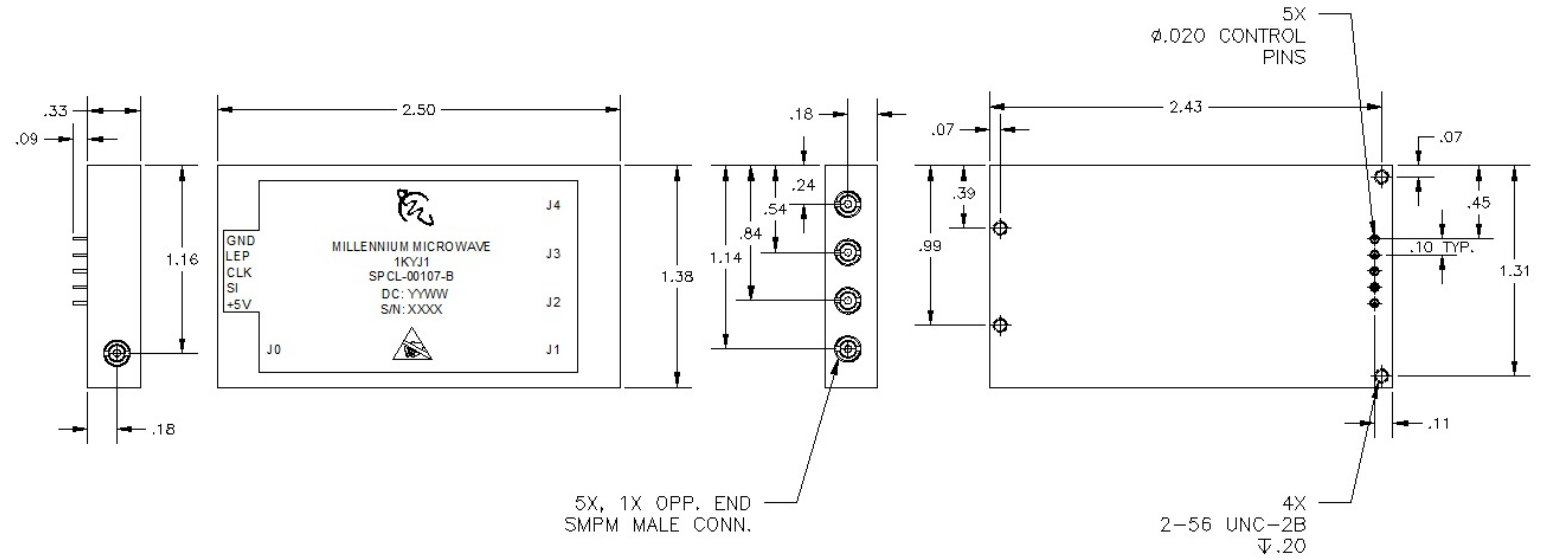


**MILLENNIUM
MICROWAVE
CORPORATION**

MILLENNIUM MICROWAVE CORPORATION
30733 PARK DRIVE, PRINCESS ANNE, MD 21853
PHONE: 410-742-8858
FAX: 410-548-7860
www.microwave2000.com

SPCL-00107-B

➤ Outline Drawing:



**MILLENNIUM
MICROWAVE
CORPORATION**

MILLENNIUM MICROWAVE CORPORATION
30733 PARK DRIVE, PRINCESS ANNE, MD 21853
PHONE: 410-742-8858
FAX: 410-548-7860
www.microwave2000.com