

**DESCRIPTION:**

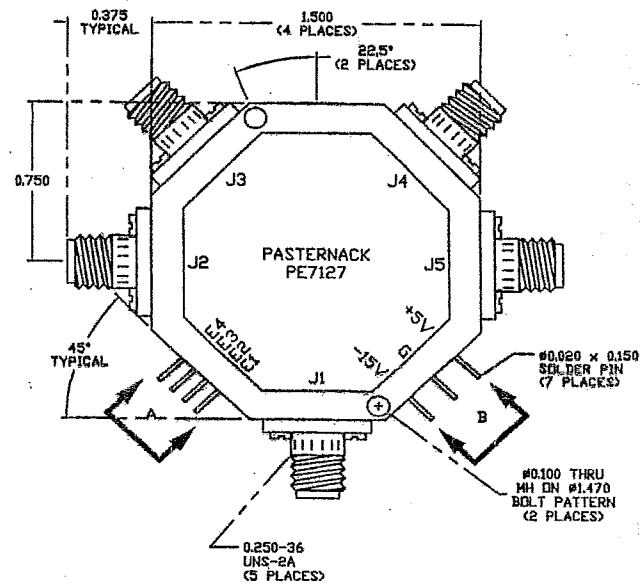
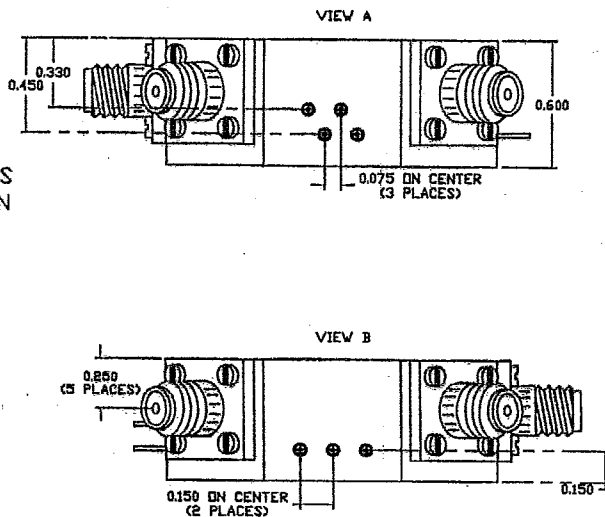
AMC MODEL SWN-4DR-PE OPTION 118, HPR05W IS A SINGLE POLE FOUR THROW, HIGH POWER (0.5 WATTS), REFLECTIVE SWITCH MODULE, DESIGNED FOR THE 1 TO 18GHz FREQUENCY RANGE

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL JOB# 202022	02/20/02	

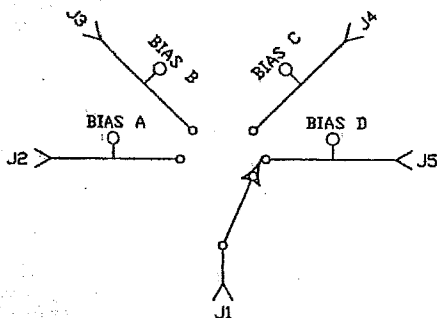
**SPECIFICATIONS:**

- FREQUENCY:..... 1.0 GHz TO 18 GHz
- INSERTION LOSS:..... 3.5 dB MAXIMUM
- ISOLATION:..... 65 dB MAXIMUM
- VSWR (ALL PORTS):..... 2.0:1 MINIMUM
- POWER:..... 0.5 WATTS MAXIMUM
- CONTROL:..... TTL LOGIC '0' LOW LOSS  
TTL LOGIC '1' ISOLATION  
INDEPENDANT CONTROL
- POWER SUPPLY:..... +5.0 @ 200 mA MAXIMUM  
-15.0 @ 100 mA MAXIMUM

MECHANICAL OUTLINE



**BLOCK DIAGRAM**



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107D COND. A

**CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN <i>KAB</i>	02/20/02	PRODUCT FEATURE PE7127, SWN-4DR-PE OPTION: 118, HPR05W		
CHECKED <i>[Signature]</i>	3/6/02	SIZE	FSCM NO.	DWG NO.
ISSUED <i>[Signature]</i>	3/20/02	A	60483	100-6262
SCALE N:S				REV. -
			SHEET 1 of 3	

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION