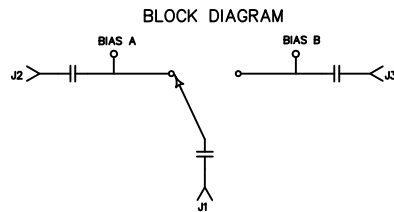


DESCRIPTION

AMC MODEL SWN-218-2DR-STANDARD OPTION: 011, HPR5W IS A SINGLE POLE TWO THROW, HIGH POWER (5 WATTS) REFLECTIVE T/R SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, LOW VIDEO TRANSIENT AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 100 MHz TO 1.0 GHz FREQUENCY RANGE OPERATION.

SPECIFICATIONS

- FREQUENCY RANGE: 100 MHz TO 1.0 GHz (USABLE TO 2.5 GHz)
- INSERTION LOSS: 0.8 dB TYPICAL, 1.0 dB MAXIMUM
- ISOLATION: 30 dB TYPICAL, 28 dB MINIMUM
- VSWR (ALL PORTS): 1.8:1
- SWITCHING SPEED:
(50% TTL TO 90/10% RF) 50 nS MAXIMUM
- RF POWER: 5 WATTS
- CONTROL: TTL SINGLE ENDED 1 BIT
- POWER SUPPLY: +12 VDC @ 25 mA MAXIMUM
..... -12 VDC @ 25 mA MAXIMUM
- CONNECTORS (RF): SMA FEMALE, 3 PLACES
- CONNECTORS (POWER): SOLDER PINS
- CONNECTORS (CONTROL): SOLDER PINS
- LOGIC "0": J1 TO J2
- LOGIC "1": J1 TO J3
- SIZE: 1.20" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: 1.5 OUNCE TYPICAL



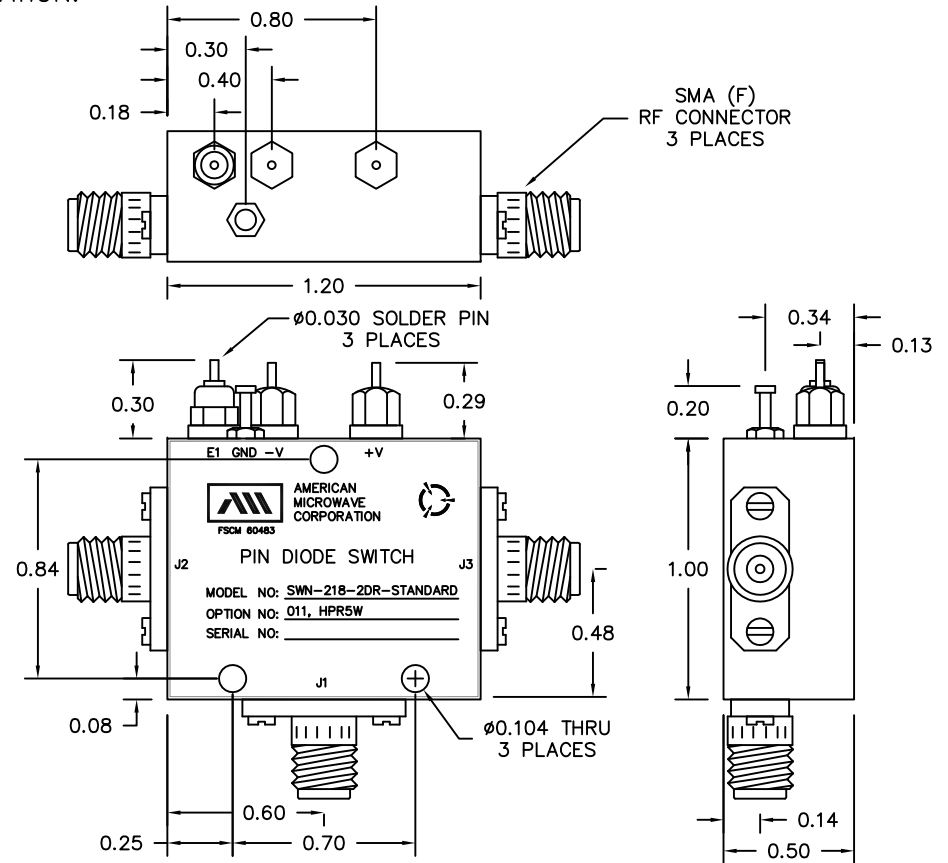
ENVIRONMENTAL RATINGS

- **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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL JOB# 003038E	08/15/00	



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APPROVALS		DATE	TITLE			
DRAWN <i>WSP, RRA</i>		08/15/00	PRODUCT FEATURE SWN-218-2DR-STANDARD OPTIONS: 011, HPR5W			
REDRAWN <i>JDJ</i>		8/10/04	SIZE A	FSCM NO. 60483	DWG NO. 100-4427-12	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 3	