

**SPECIFICATIONS:**

- FREQUENCY: . . . . . 0.5 GHz TO 2 GHz
- INSERTION LOSS: . . . . . REFLECTIVE: 1.2 dB
- ISOLATION: . . . . . 80 dB MIN.
- VSWR: . . . . . REFLECTIVE IN/OUT: 2.0:1
- SPEED: . . . . . DELAY ON: 200ns MAX.  
 DELAY OFF: 200ns MAX.  
 RISE: 50 ns TYP; 100 ns MAX.  
 FALL: 50 ns TYP; 100 ns MAX.
- CONTROL: . . . . . TTL LOGIC (0V=ON, +5V=OFF)
- POWER INPUT: . . . . . 1 dB COMP: +20 dbm
- VIDEO LEAKAGE . . . . . ± 30 mV IN BAND OR -50 dbm OVER SPECTRUM ANALYZER
- NO DAMAGE INPUT POWER IN ON POSITION: 1W (CW)
- NO DAMAGE INPUT POWER IN OFF POSITION: 1W (CW)
- POWER SUPPLY: . . . . . +5V ● 150 mA MAX.  
 -12V ● 75 mA MAX.(RELECTIVE)
- CONNECTORS . . . . . SMA FEMALE ( REMOVABLE )
- TEMPERATURE: . . . . . -54°C TO +85°C (OPERATING)
- SIZE . . . . . 1.25 FLAT TO FLAT x 0.70 (H)
- WEIGHT . . . . . 2 OZ. MAX.

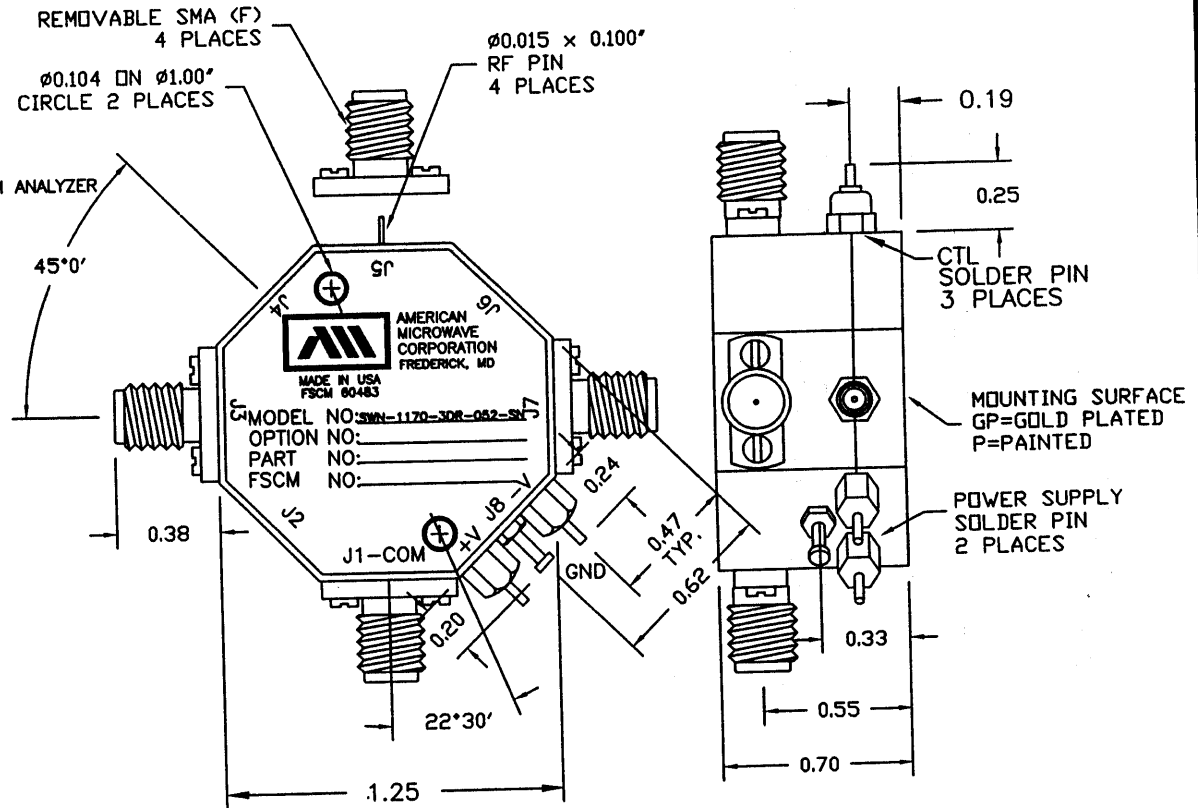
**ENVIRONMENTAL RATINGS:**

- 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

ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:

- X.XX ±0.020
- X.XXX ±0.010

REV. NO.		DESCRIPTION	DATE	APPROVED
		ORIGINAL RELEASE	1/15/99	



NOTE:

- DR=WITH DRIVER, REFLECTIVE
- DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

CONTRACT NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN K SIMMS	1/15/99	OUTLINE DRAWING SWN-1170-3DR-052-SN PIN DIODE SWITCH	
CHECKED KA	1/23/99	SIZE	FSCM NO.
ISSUED WP	1/27/99	A	60483
		DWG NO.	REV.
		100-4704	-
SCALE N/S		SHEET 1 of 1	

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION