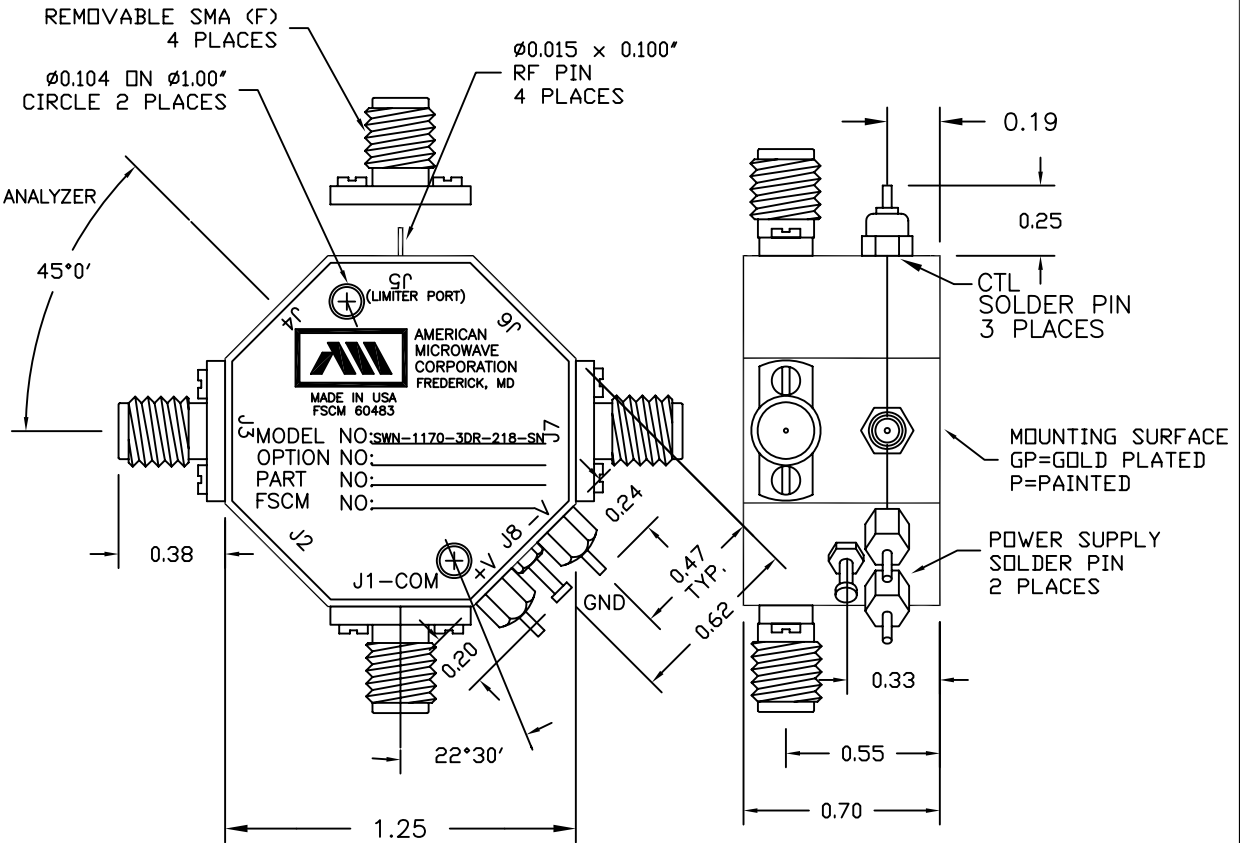


SPECIFICATIONS:

- FREQUENCY: 2.0 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 3.5dB MAX, 3.0dB TYP. IN PORTS WITH LIMITER
REFLECTIVE: 2.7dB MAX IN PORT WITHOUT LIMITER
- 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 (OV=ON, +5V=OFF)
- POWER INPUT: 1 dB COMP: +20 dbm
- VIDEO LEAKAGE ± 20 mV IN BAND OR -60 dbm OVER SPECTRUM ANALYZER
- NO DAMAGE INPUT POWER IN ON POSITION: 2W (CW)
- NO DAMAGE INPUT POWER IN OFF POSITION: 2W (CW)
- POWER SUPPLY: +5V @ 150 mA MAX.
-12V @ 75 mA MAX. (REFLECTIVE)
- CONNECTORS SMA FEMALE (REMOVABLE)
- TEMPERATURE: -54°C TO +85°C
- SIZE 1.25" FLAT TO FLAT x 0.70" (H)
- WEIGHT 2 OZ MAX.
- IN THE OPPOSITE PORT OF J1 THERE IS A LIMITER WITH THE FOLLOWING SPECIFICATIONS// POWER MAX: 1W (100 W GATE OF 1 us AT 1%); 100ns. INSERTION LOSS IN THIS PORT IS 3.5dB MAX. CONNECTION OF LIMITER IN ORDER TO RECEIVE POWER FROM THIS PORT.



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

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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:

X.XX ±0.020
X.XXX ±0.010

CONTRACT NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN K SIMMS	1/15/99	OUTLINE DRAWING FOR INDRA SWN-1170-3DR-218-SN PIN DIODE SWITCH	
CHECKED		SIZE	FSCM NO.
ISSUED		A	60483
		DWG NO.	100-4705
		SCALE	N/S
		SHEET	1 of 1

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	-	ORIGINAL RELEASE	1/15/99