

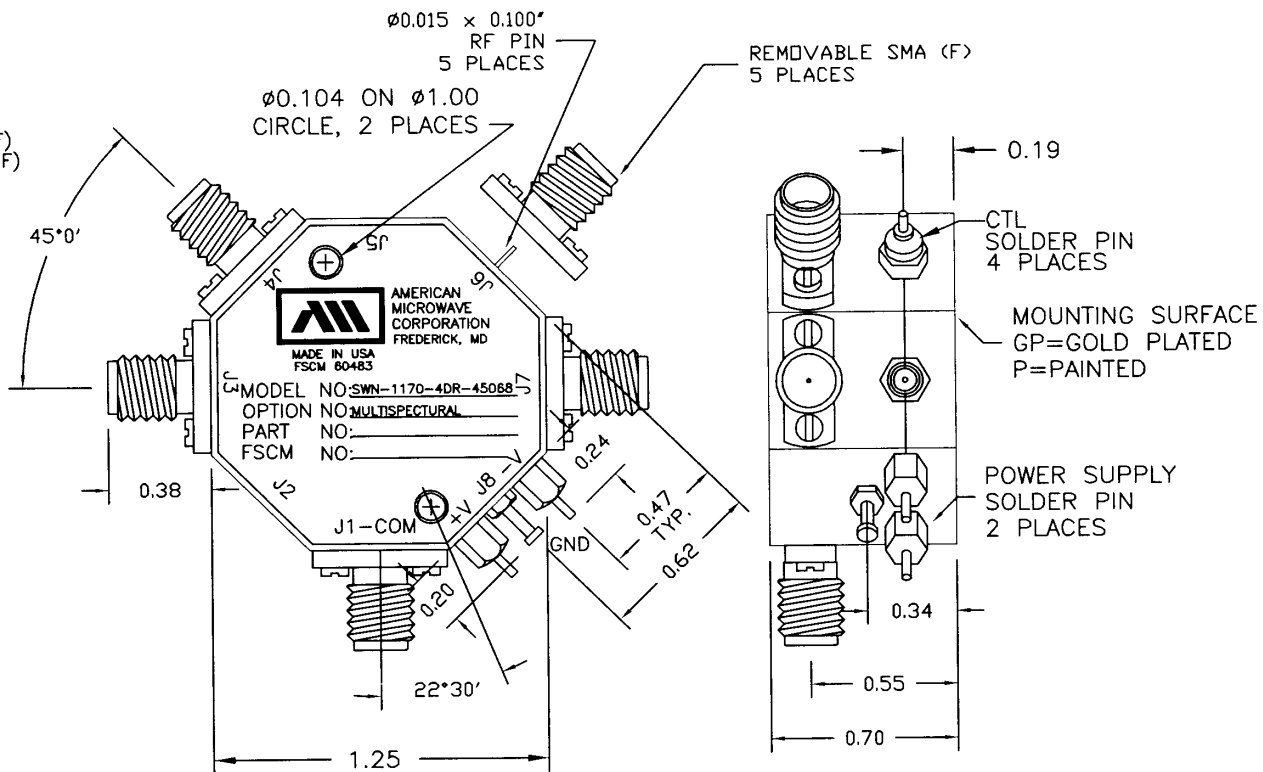
DESCRIPTION:

AMC MODEL SWN-1170-4DR-45068-MULTISPECTURAL IS A SINGLE POLE FOUR THROW, REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, LOW ISOLATION AND WITH INTEGRAL TTL DRIVER, CAN HANDLE VERY HIGH POWER OF 100 WATTS, DESIGNED FOR NARROW BAND OPERATIONS.

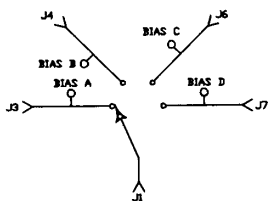
ZONE		REV.	DESCRIPTION	DATE	APPROVED
		-	ORIGINAL RELEASE, JOB# 70468E-3	10/27/09	

SPECIFICATIONS:

- FREQUENCY: 0.1 GHz TO 2 GHz
- INSERTION LOSS: 1.5 dB
- ISOLATION: 40 dB MINIMUM
- VSWR: 2.0:1
- SPEED: DELAY ON <1 uSEC MAXIMUM (50% TTL TO 90% RF)
DELAY OFF <1 uSEC MAXIMUM (50% TTL TO 10% RF)
- POWER INPUT: (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- POWER HANDLING: 100 WATTS CW
- CONTROL: TTL LOGIC
- POWER SUPPLY: +5V @ 150 mA MAXIMUM
-15V @ 70 mA MAXIMUM
- CONNECTORS:
RF SMA FEMALE
CONTROL SOLDER PIN



BLOCK DIAGRAM



CONFIDENTIAL AND PROPRIETARY

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

CONTRACT NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE PRODUCT FEATURE SWN-1170-4DR-45068 -MULTISPECTURAL RADIAL SOLID STATE SWITCH	
DRAWN <i>WBCS</i>	10/27/09	SIZE A	FSCM NO. 60483
CHECKED		DWG NO. 100-6794	REV. -
ISSUED		SCALE N/S	SHEET 1 of 3