

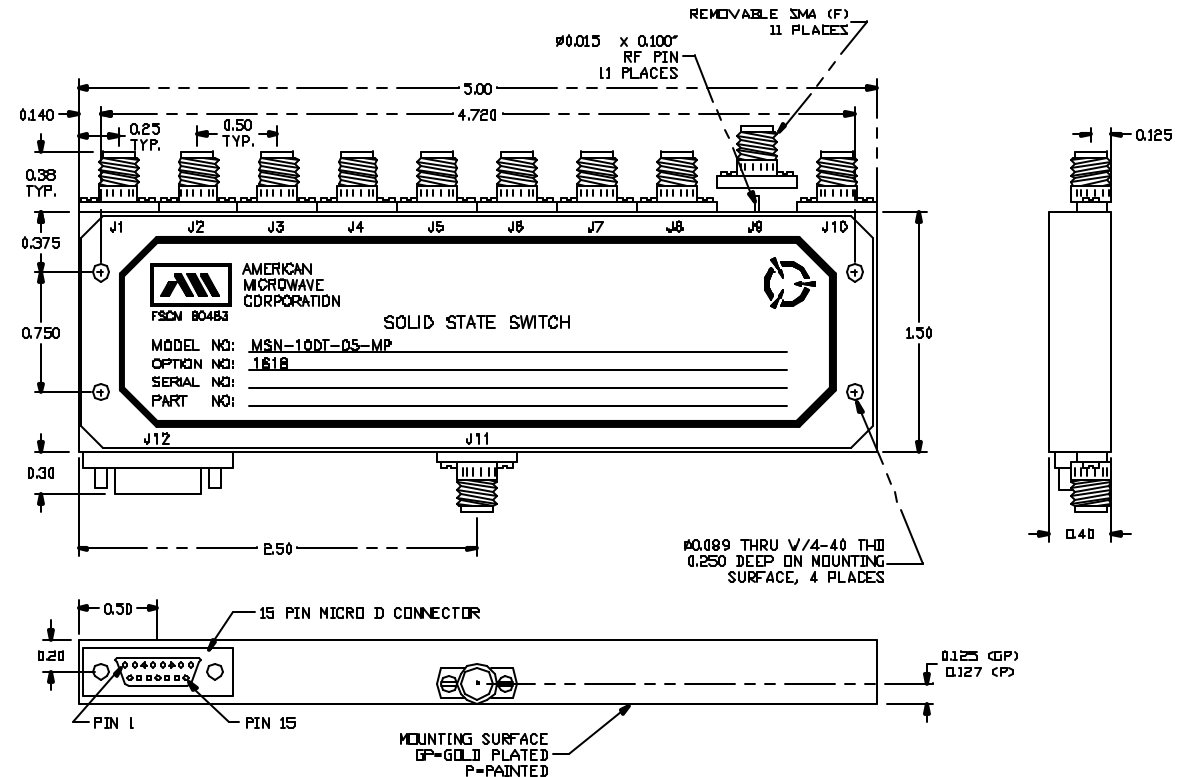
**DESCRIPTION:**

AMC MODEL MSN-10DT-05-MP OPTION 1618 IS A SINGLE POLE TEN THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION, AND INTEGRAL TTL DRIVER, DESIGNED FOR 16 GHz TO 18 GHz FREQUENCY RANGE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	7/7/89	

**SPECIFICATIONS:**

- FREQUENCY: ..... 16 GHz TO 18 GHz
- INSERTION LOSS: ..... 5.0dB
- ISOLATION: ..... 16 GHz TO 18 GHz: 70dB
- VSWR: ..... IN/OUT: 2.0:1  
OUT/OFF: 2.0:1
- SPEED: ..... RISE: 10ns TYPICAL, 15ns MAXIMUM  
FALL: 10ns TYPICAL, 15ns MAXIMUM  
DELAY ON: 75ns TYPICAL, 100ns MAXIMUM  
DELAY OFF: 75ns TYPICAL, 100ns MAXIMUM
- POWER INPUT: ..... (CW)+20 dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: ..... 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: ..... TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: ..... +5V @ 500 mA MAXIMUM  
-5V @ 100 mA MAXIMUM
- SIZE: ..... 5.00" x 1.50" x 0.40"
- WEIGHT: ..... 5.50 OUNCES



PIN OUT TABLE	
MF-IND	
PIN NO.	FUNCTION
1	E1
2	E2
3	E3
4	E4
5	E5
6	E6
7	E7
8	E8
9	E9
10	E10
11	N/C
12	GND
13	+V
14	-V
15	GND

N/C = NOT CONNECTED

NOTE:  
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

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>WSP</i>	7/7/89	OUTLINE DRAWING MSN-10DT-05-MP OPTION 1618 NON-REFLECTIVE/ABSORPTIVE SOLID STATE SWITCH	
CHECKED		SIZE	REV.
ISSUED		A	-
SCALE		FBCM NO. 60483	DWG NO. 100-4107-6
		SHEET 1 of 1	