

## DESCRIPTION

AMC MODEL MSNN-4DT-04T-DEC-MP IS AN ABSORPTIVE/NON-REFLECTIVE SINGLE POLE FOUR THROW SWITCH DESIGNED TO OPERATE BETWEEN THE 0.5 GHz TO 18 GHz FREQUENCY RANGE.

## SPECIFICATIONS

- FREQUENCY RANGE: ..... 0.5 GHz TO 18 GHz
- INSERTION LOSS: ..... 4.5 dB MAXIMUM
- ISOLATION: ..... 0.5 GHz TO 2 GHz 60 dB MINIMUM  
2 GHz TO 18 GHz 70 dB MINIMUM
- VSWR: ..... ABSORPTIVE IN/OUT: 2.0:1  
ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: ..... RISE: 1 uSec MAXIMUM(10%-90% RF)  
FALL: 1 uSec MAXIMUM(90%-10% RF)
- POWER HANDLING: ..... 0 dBm MAXIMUM
- CONTROL: ..... TRUTH TABLE

LOW LOSS PORT	TTL INPUT LEVEL (NOTE: 1=H, 0=L)	
	E2	E1
J1	0	0
J2	0	1
J3	1	0
J4	1	1

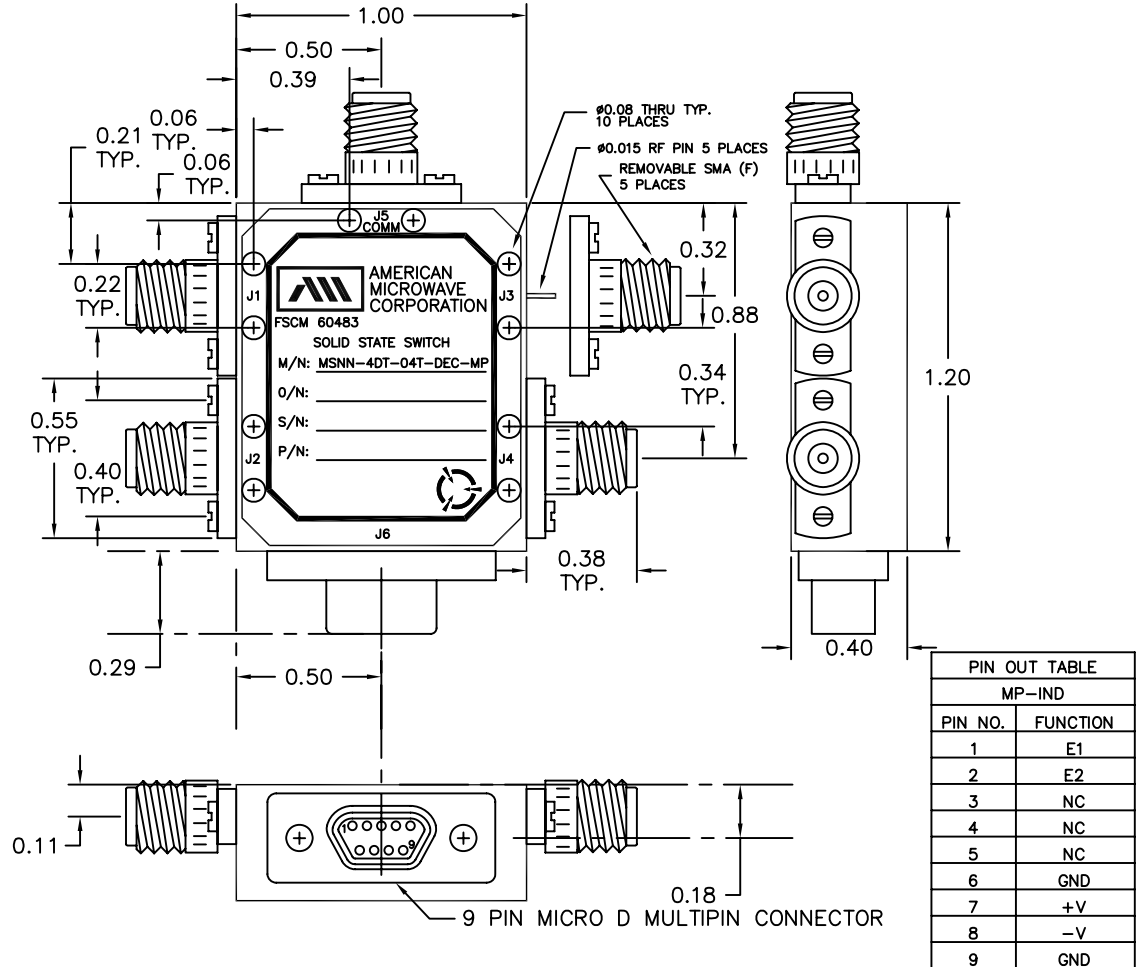
- POWER SUPPLY: ..... +5V @ 400 mA MAXIMUM  
-5V @ 100 mA MAXIMUM
- CONNECTORS:  
RF: ..... SMA FEMALE  
CONTROL: ..... 9 PIN D MULTI-PIN
- OPERATING TEMPERATURE: ..... -20°C TO +70°C
- IMPEDANCE: ..... 50 OHMS
- SIZE: ..... 1.00" (L) x 0.70" (W) x 0.40" (H)

## 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

M/N: = MODEL NUMBER  
O/N: = OPTION NUMBER  
S/N: = SERIAL NUMBER  
P/N: = PART NUMBER



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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 607140-2PE	10/20/06	

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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>PRB</i>		10/20/06	PRODUCT FEATURE MSNN-4DT-04T-DEC-MP		
REDRAWN			SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-4388-008
SCALE N:S			SHEET 1 OF 4		