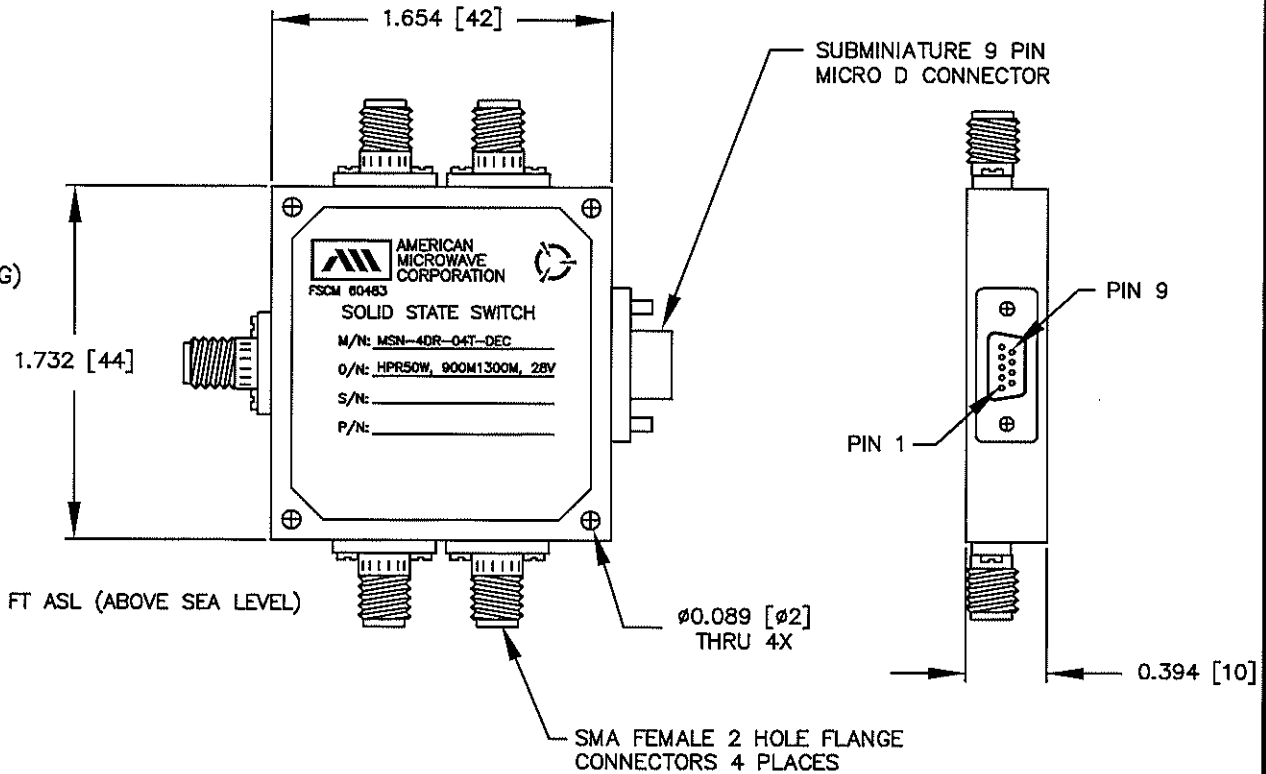


## DESCRIPTION

AMC MODEL MSN-4DT-04T-DEC OPTION: HPR50W, 900M1300M & 28V IS A REFLECTIVE SINGLE POLE FOUR THROW SWITCH DESIGNED TO OPERATE OVER A 900 TO 1300MHz FREQUENCY RANGE WITH AN INSERTION LOSS SPECIFICATION OF 2dB MAXIMUM AND A POWER HANDLING (CW) SPECIFICATION OF 50 WATTS MINIMUM.

## SPECIFICATIONS

- FREQUENCY RANGE: .....900 – 1300MHz
- INSERTION LOSS: .....1dB GOAL; 2.0dB MAXIMUM
- ISOLATION: .....35dB MINIMUM
- VSWR: .....1.4:1 MAXIMUM
- SWITCHING SPEED: .....5 uSEC MAXIMUM
- POWER HANDLING (CW): ...50W MINIMUM (COLD SWITCHING)
- CONTROL LOGIC: .....2 LVTTL LINES (3.3V)
- DIMENSIONS: .....44 X 42 X 10MM
- POWER SUPPLY: .....28V
- CONNECTORS:
  - RF: .....SMA FEMALE
  - CONTROL: .....SUB MINIATURE MICRO D
- ENVIRONMENTAL CONDITIONS (OPERATING):
  - ALTITUDE: .....FROM SL (SEA LEVEL) TO 45000 FT ASL (ABOVE SEA LEVEL)
  - TEMPERATURE: .....-40° TO +85°C



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	ORIGINAL RELEASE	3/4/08	[Signature]

**PRELIMINARY DESIGN**

ALL DIMENSIONS ARE IN INCHES [MM]  
 TOLERANCES:  
 X.XX ±0.010  
 X.XXX ±0.005

## AMERICAN MICROWAVE CORPORATION

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 E-MAIL: [sales@americanmicrowavecorp.com](mailto:sales@americanmicrowavecorp.com)  
 ISO 9001:2000 CERTIFIED

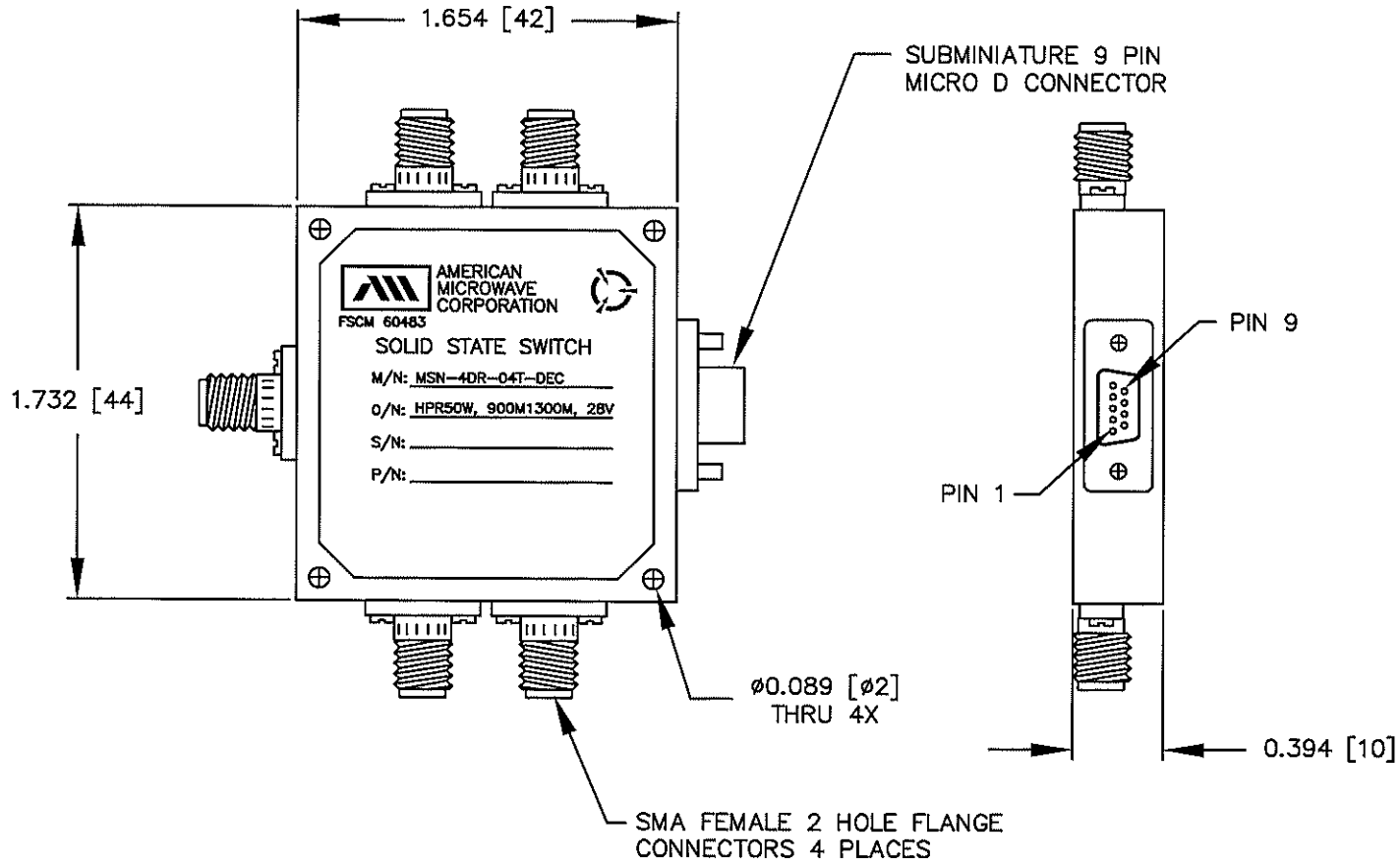


APPROVALS		DATE	TITLE		
DRAWN	JCM/S	3/4/08	PRODUCT FEATURE MSN-4DR-04T-DEC OPTION HPR50W, 900M1300M, 28V		
CHECKED	[Signature]	3/5/08	SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7758
SCALE N:S			SHEET 1 OF 2		

# DESCRIPTION

AMC MODEL MSN-4DT-04T-DEC OPTION: HPR50W, 900M1300M & 28V IS A REFLECTIVE SINGLE POLE FOUR THROW SWITCH DESIGNED TO OPERATE OVER A 900 TO 1300MHz FREQUENCY RANGE WITH AN INSERTION LOSS SPECIFICATION OF 2dB MAXIMUM AND A POWER HANDLING (CW) SPECIFICATION OF 50 WATTS MINIMUM.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	ORIGINAL RELEASE	3/4/08	RB



**PRELIMINARY DESIGN**

ALL DIMENSIONS ARE IN INCHES [MM]  
 TOLERANCES:  
 X.XX ±0.010  
 X.XXX ±0.005

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 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN	KMS	3/4/08	OUTLINE DRAWING MSN-4DR-04T-DEC OPTION HPR50W, 900M1300M, 28V			—
CHECKED	LD	3/5/08	SIZE	FSCM NO.	DWG NO.	
ISSUED			A	60483	100-7758	
			SCALE	N:S	SHEET	2 OF 2