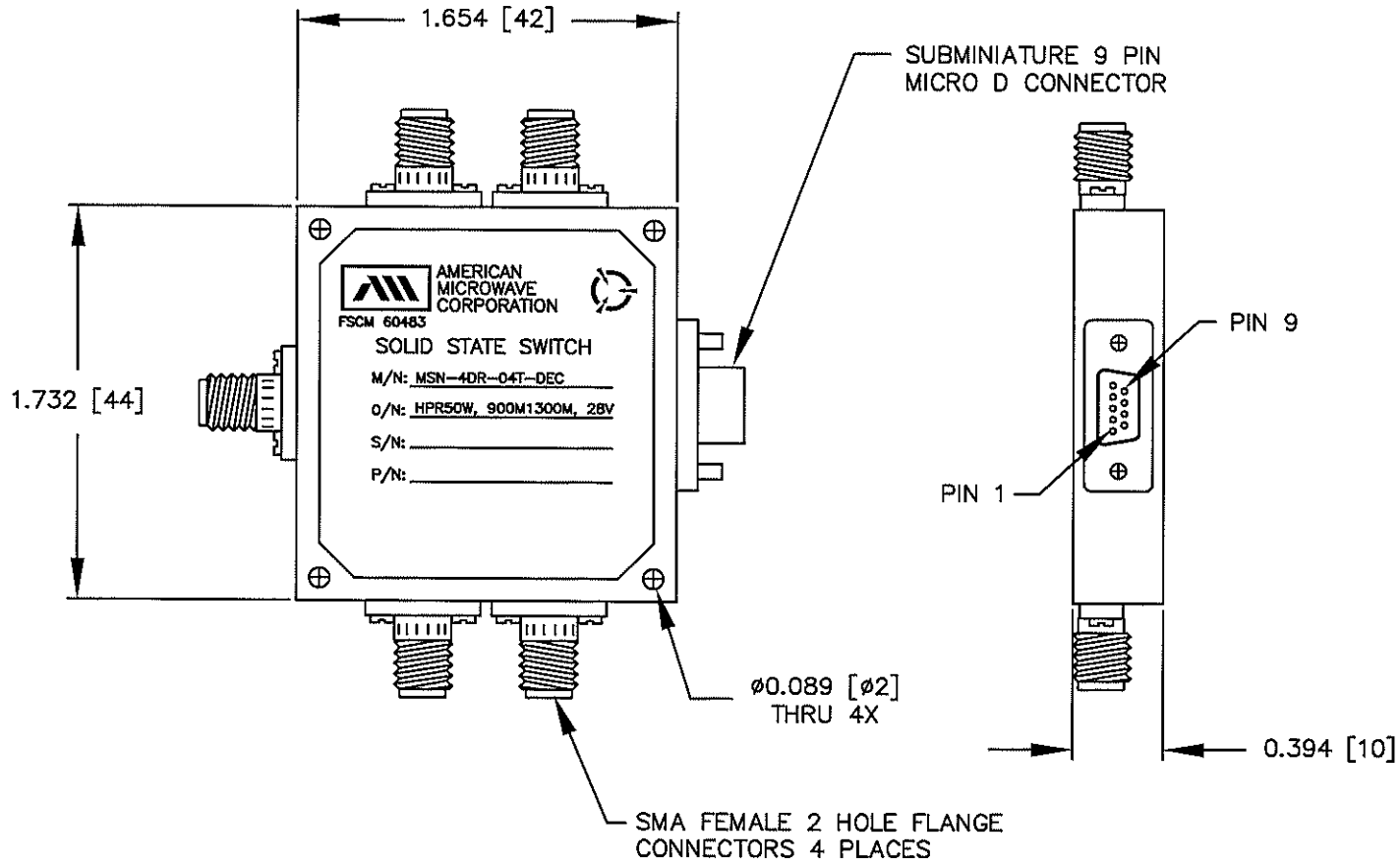


DESCRIPTION

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	KG RB



PRELIMINARY DESIGN

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

AMERICAN MICROWAVE CORPORATION

7311-G GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-4700 FAX: 301-662-4938
 WEBSITE: www.americanmicrowavecorp.com
 E-MAIL: sales@americanmicrowavecorp.com
 ISO 9001:2000 CERTIFIED



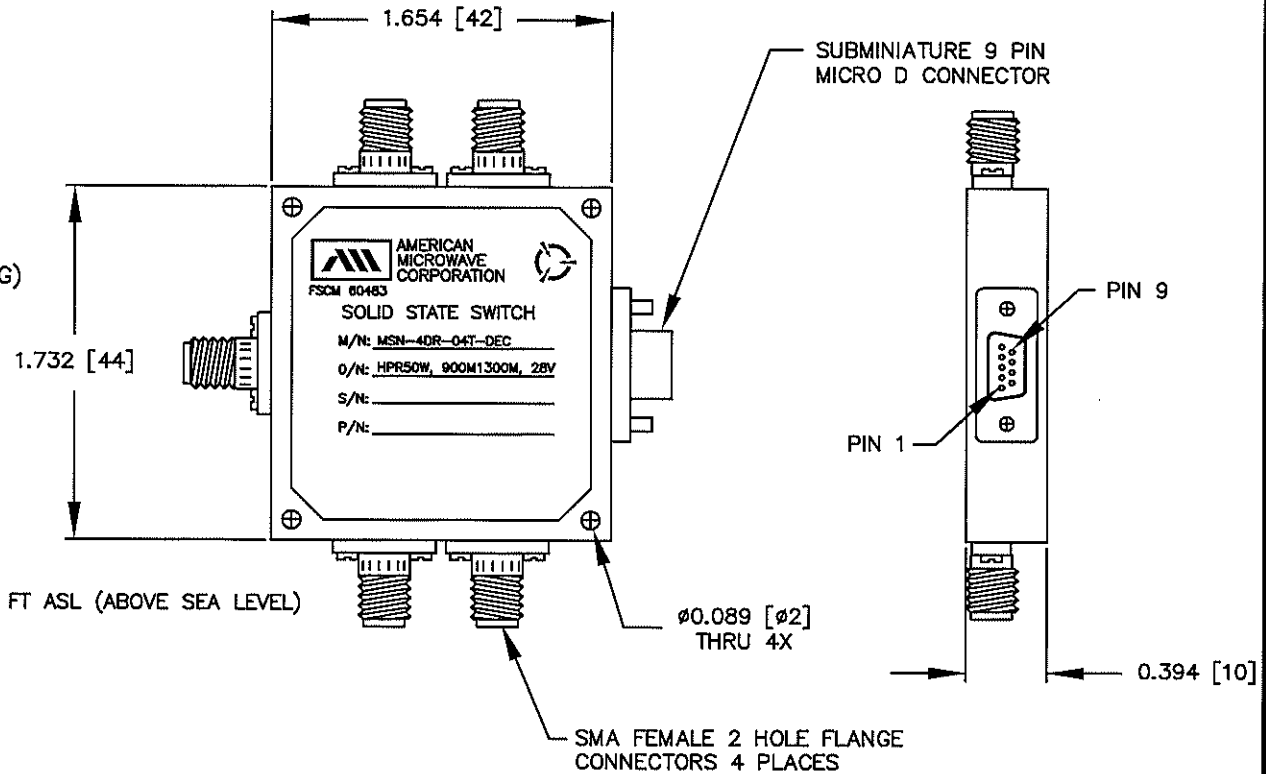
APPROVALS		DATE	TITLE			REV.
DRAWN	KMS	3/4/08	OUTLINE DRAWING MSN-4DR-04T-DEC OPTION HPR50W, 900M1300M, 28V			—
CHECKED	LD	3/5/08	SIZE	FSCM NO.	DWG NO.	
ISSUED			A	60483	100-7758	
			SCALE	N:S	SHEET	2 OF 2

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

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APPROVALS		DATE	TITLE			REV.
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