DESCRIPTION

AMC MODEL SWN-2DR/DT-STANDARD IS A SINGLE POLE TWO THROW, REFLECTIVE (DR) OR ABSORPTIVE/NON-REFLECTIVE (DT) SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR BROAD BAND OPERATIONS.

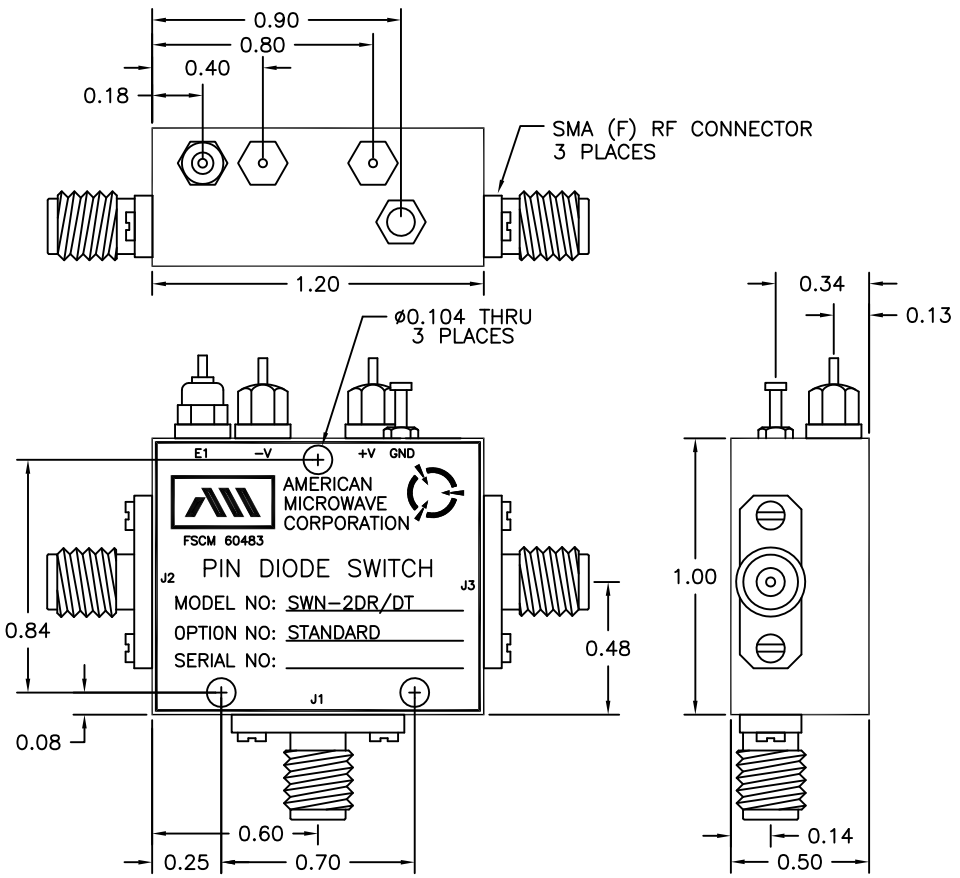
SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 2.5 dB MAXIMUM
  ABSORPTIVE: 3.5 dB MAXIMUM
- ISOLATION: 0.5 GHz TO 18 GHz: 60 dB MINIMUM
- VSWR: REFLECTIVE IN/OUT: 2.0:1
  ABSORPTIVE IN/OUT: 2.0:1
  ABSORPTIVE OUT/OFF: 2.0:1
- RISE TIME: 15 nSec MAXIMUM
- FALL TIME: 15 nSec MAXIMUM
- DELAY ON: 100 nSec MAXIMUM
- DELAY OFF: 100 nSec 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" = J1-J2 ON
  TTL LOGIC "1" = J1-J3 ON
- POWER SUPPLY: +5V @ 100 mA MAXIMUM
  -5V @ 75 mA MAXIMUM (REFLECTIVE)
  100 mA MAXIMUM (ABSORPTIVE/NON-REFLECTIVE)
- CONNECTORS:
  - RF: SMA FEMALE
  - CONTROL: SOLDER PIN
- SIZE: 1.20" (L) x 1.00" (W) x 0.50" (H)

OPTIONS:

- B01: -12V POWER SUPPLIES
- B02: -15V POWER SUPPLIES
- B04: DRIVERLESS, CURRENT CONTROLLED
- B05: HIGH SPEED, TURNON/TURNOFF 20 nSec MAXIMUM WHEN APPLICABLE OR OPTION HS
- B06: HIGH POWER - SPECIFY CW POWER, PEAK POWER, PULSE WIDTH, DUTY CYCLE, RF FREQUENCY AND BANDWIDTH
- B08: LOW VIDEO TRANSIENTS - SPECIFY VIDEO BANDWIDTH
- B10: HIGHER ISOLATION VERSION (SPECIFY)
- 218 2 - 18GHz FREQUENCY RANGE
- 002 INDEPENDANT CONTROL; "0"=ON & "1"=OFF
- 011 OFF ARM TERMINATION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 907137-1	7/29/99	
	A	SEE ECN #05-060	9/13/05	
	B	SEE ECR# 09-025	6/3/09	
	C	SEE ECR# 09-045	12/5/09	
	D	SEE ECR# 11-090	9/26/11	RA



ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°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

* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010
WEIGHT 1.5 oz. TYPICAL

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ISO 9001:2000 CERTIFIED

APPROVALS	DATE
DRAWN WSP, RRA	7/29/99
MODIFIED JDJ	9/13/05
ISSUED	

TITLE
PRODUCT FEATURE
SWN-2DR/DT-STANDARD
0.5 TO 18 GHz, SINGLE POLE TWO THROW SWITCH

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-4427-1	D

SCALE N:S SHEET 1 OF 4