

DESCRIPTION:

AMC MODEL SWM-DJV-1DT-2ATT IS A SINGLE POLE SINGLE THROW, NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH VERY LOW VIDEO TRANSIENT, ULTRA HIGH SPEED, HIGH ISOLATION, AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR DC TO 20 GHz OPERATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL JOB# 903037E-1	07/07/00	
	A	SEE ECN #04-075	5/17/04	

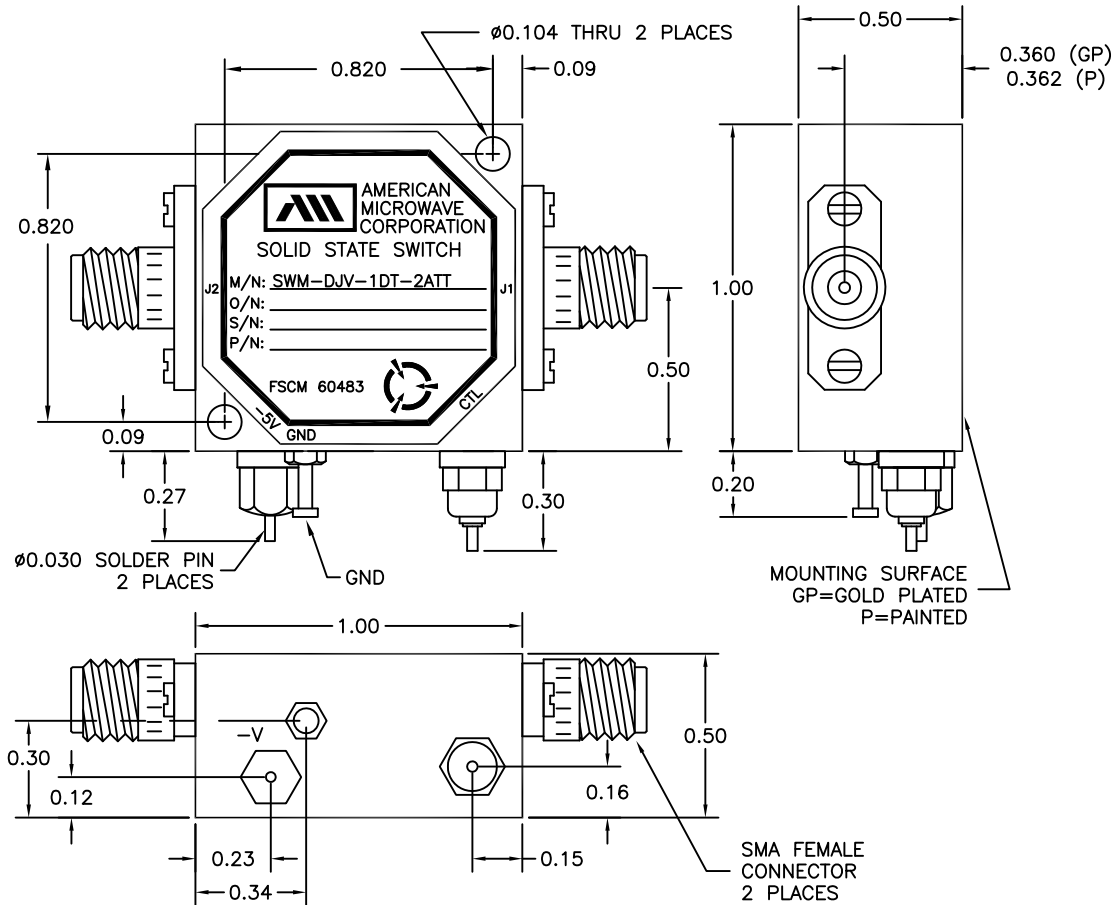
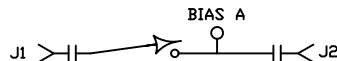
SPECIFICATIONS:

- FREQUENCY: DC TO 20 GHz
- INSERTION LOSS: ABSORPTIVE: 4.5dB
- ISOLATION: DC TO 12 GHz: 60db
12 GHz TO 20 GHz: 70db
- VSWR: ABSORPTIVE IN/OUT: 2.0:1
ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: RISE: 1ns TYPICAL, 2ns MAX.
FALL: 1ns TYPICAL, 2ns MAX.
DELAY ON: 12ns TYPICAL, 15ns MAX.
DELAY OFF: 12ns TYPICAL, 15ns MAX.
- VIDEO TRANSIENT: 20mV P-P @ 300MHz BANDWIDTH(2-20 GHz)
4mV P-P @ 20MHz BANDWIDTH(2-20 GHz)
150mV P-P @ 300MHz BANDWIDTH(DC-20 GHz)
50mV P-P @ 20MHz BANDWIDTH(DC-20 GHz)
- POWER INPUT: (CW)+20dBm (STANDARD),
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: -5V @ 25 mA MAX.

AVAILABLE OPTIONS:

- B03: REVERSE LOGIC "1" = ON
- 007: REVERSE LOGIC "1" = ON
- 10812: 1.8 - 12GHz FREQUENCY RANGE

BLOCK DIAGRAM



M/N = MANUFACTURER PART NUMBER
 O/N = OPTION NUMBER
 S/N = SERIAL NUMBER
 P/N = PART NUMBER

NOTE:
 DR=WITH DRIVER, REFLECTIVE
 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

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

APPROVALS		DATE	AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
DRAWN <i>WSP & RRA</i>		08/07/00	TITLE PRODUCT FEATURE SWM-DJV-1DT-2ATT		
REDRAWN <i>JDJ</i>		8/17/04	DC TO 20 GHz SINGLE POLE SINGLE THROW SWITCH		
CHECKED			SIZE A	FSCM NO. 60483	DWG NO. 100-5653
ISSUED					REV. A
SCALE N/S			SHEET 1 of 3		

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION