

DESCRIPTION

AMC MODEL SWM-DJV-1DT-2ATT OPTION: 118, HS10NS 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 1 TO 18 GHz OPERATION.

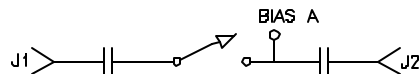
SPECIFICATIONS

- FREQUENCY RANGE: 1 TO 18 GHz
- INSERTION LOSS: 4.0 dB MAXIMUM
- ISOLATION: 50 dB MINIMUM
- VSWR: 2.0:1
- RISE TIME: 2 nSec MAXIMUM
- FALL TIME: 2 nSec MAXIMUM
- DELAY ON: 10 nSec MAXIMUM
- DELAY OFF: 10 nSec MAXIMUM
- POWER INPUT: +20 dBm
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 μ Sec
- CONTROL: TTL LOGIC "0" = ON
TTL LOGIC "1" = OFF
- POWER SUPPLY: -5V @ 25 mA MAXIMUM
- VIDEO TRANSIENT: 20 mV P-P @ 300 MHz BANDWIDTH (2-20 GHz)
4 mV P-P @ 20 MHz BANDWIDTH (2-20 GHz)
150 mV P-P @ 300 MHz BANDWIDTH (DC-20 GHz)
50 mV P-P @ 20 MHz BANDWIDTH (DC-20 GHz)
- SIZE: 1.00" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: 1.5 OUNCE TYPICAL

OPTIONS:

- 118: 1 TO 18 GHz FREQUENCY RANGE
- HS10NS: HIGH SPEED 10 nSec SWITCHING TIME

BLOCK DIAGRAM



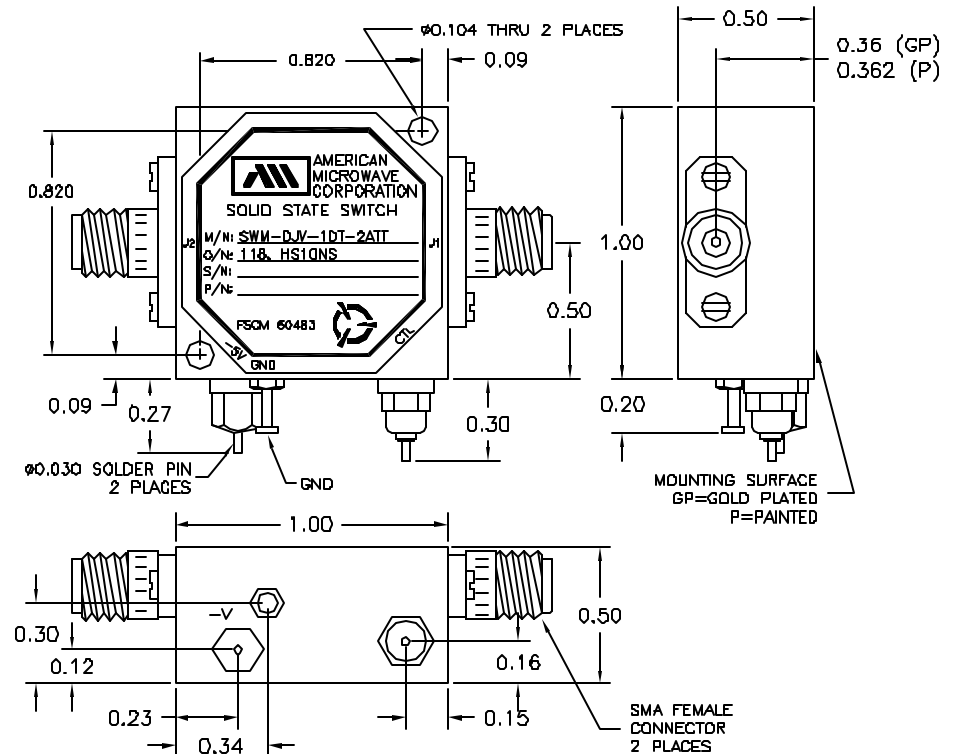
ENVIRONMENTAL RATINGS:

- 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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 503090PEXN	9/11/05	



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

AMERICAN MICROWAVE CORPORATION

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ISO 9001:2000 CERTIFIED

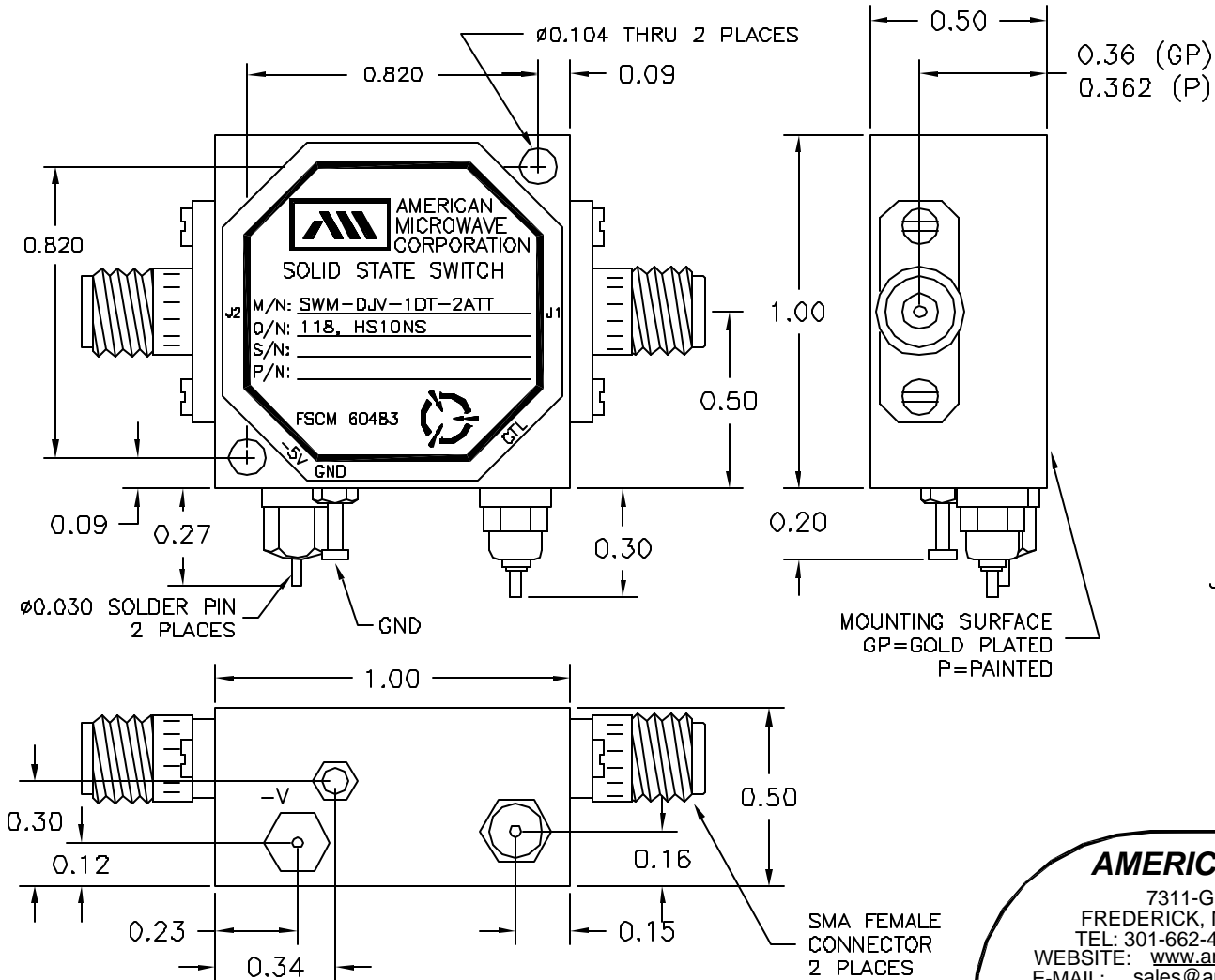


APPROVALS		DATE	TITLE		
DRAWN <i>JDS</i>		9/11/05	PRODUCT FEATURE SWM-DJV-1DT-2ATT OPTION: 118, HS10NS		
CHECKED			1 - 18 GHz, SINGLE POLE SINGLE THROW SWITCH		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	60483	100-7413
			SCALE	SHEET	
			N:S	1 OF 3	

DESCRIPTION

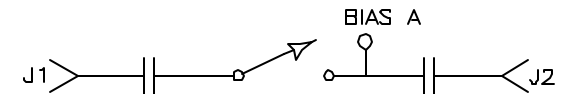
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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-		ORIGINAL RELEASE JOB# 503090PEXN	1/11/08	



MECHANICAL OUTLINE

BLOCK DIAGRAM



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

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APPROVALS		DATE	TITLE		
DRAWN	<i>[Signature]</i>	1/11/08	MECHANICAL OUTLINE SWM-DJV-1DT-2ATT OPTION: 118, HS10NS 1 - 18 GHz, SINGLE POLE SINGLE THROW SWITCH		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7413
			SCALE	N:S	
			SHEET 2 OF 3		