

## DESCRIPTION

AMC MODEL SW-0540-2A IS A REFLECTIVE SPDT SWITCH MODULE WITH INTEGRAL TTL DRIVER, DESIGNED FOR ULTRA HIGH SPEED SWITCHING APPLICATIONS.

## SPECIFICATIONS

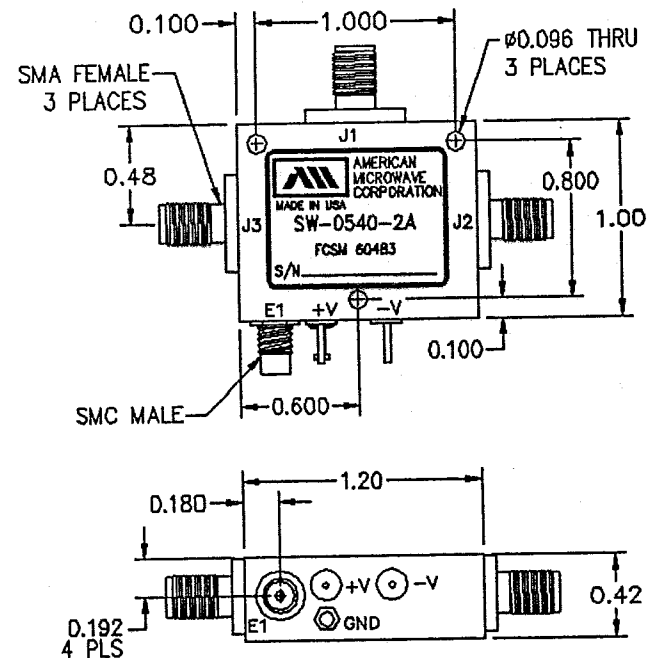
- FREQUENCY RANGE ..... 0.5-4.0 GHz MINIMUM
- INSERTION LOSS ..... 0.8 dB MAXIMUM
- ISOLATION ..... 70 dB MINIMUM
- VSWR (ON) ..... 1.5:1 MAXIMUM
- RF POWER RATINGS ..... 1 WATT CW MAXIMUM
- SWITCHING TIME
  - RISE (10% RF TO 90% RF) ..... 8 ns MAXIMUM
  - FALL (90% RF TO 10% RF) ..... 8 ns MAXIMUM
  - ON (50% TTL TO 90% RF) ..... 15 ns MAXIMUM
  - OFF (50% TTL TO 10% RF) ..... 15 ns MAXIMUM
- CONTROL ..... TTL COMPATIBLE, UNITY LOAD  
1 SINGLE CONTROL (TOGGLE)  
LOGIC "0" = J1-J2 PATH ON  
LOGIC "1" = J1-J3 PATH ON
- POWER SUPPLY ..... +5VDC ±5% @ 50 mA MAXIMUM  
-15VDC ±5% @ 50 mA MAXIMUM
- CONNECTORS
  - RF INPUT/OUTPUT ..... SMA (FEMALE)
  - POWER ..... SOLDER PIN
  - CONTROL ..... SMC MALE
- SIZE ..... 1.20" x 1.00" x 0.42"

## AVAILABLE OPTIONS

- A01 ..... 50Ω CONTROL IMPEDANCE
- A02 ..... 100Ω CONTROL IMPEDANCE
- A03 ..... INVERSE CONTROL LOGIC
- A04 ..... EXTENDED FREQUENCY, FROM 100 MHz  
TO 18 GHz (CONSULT FACTORY)
- A06 ..... SOLDER PIN CONTROL TERMINAL
- A07 ..... INPUT/OUTPUT VIDEO FILTER (0.5 dB EXCESS LOSS)
- A10 ..... +12 VDC TO +18 VDC SUPPLY
- A11 ..... -5 VDC SUPPLY

REV.		DESCRIPTION	DATE	APPROVED
ZONE	REV.			
	A	ORIGINAL RELEASE, JOB # 2754E	11/22/92	<i>MJ</i>

## MECHANICAL OUTLINE




### NOTES:

- 1) DIMENSIONS ARE IN INCHES
- 2) TOLERANCES: X.XXX ±0.020  
X.XXX ±0.010
- 3) WEIGHT: APPROX. 1.5 OZ

## ENVIRONMENTAL RATINGS

- TEMPERATURE ..... -55°C TO +95°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

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		<b>PRODUCT FEATURE</b> <b>SW-0540-2A</b> 0.5-4.0 GHz, REFLECTIVE SPDT SWITCH MODULE	
APPROVALS	DATE	SIZE	SHEET 1 OF 2
DRAWN <i>WSP</i>	11/22/92	A	DWG. # 100-2883
CHECKED <i>[Signature]</i>	11/22/92		