

DESCRIPTION

AMC MODEL SW-2184-1A-115 IS A REFLECTIVE SPST SWITCH/MODULATOR WITH INTEGRAL ECL DRIVER, DESIGNED FOR ULTRA FAST SWITCHING APPLICATIONS.

SPECIFICATIONS

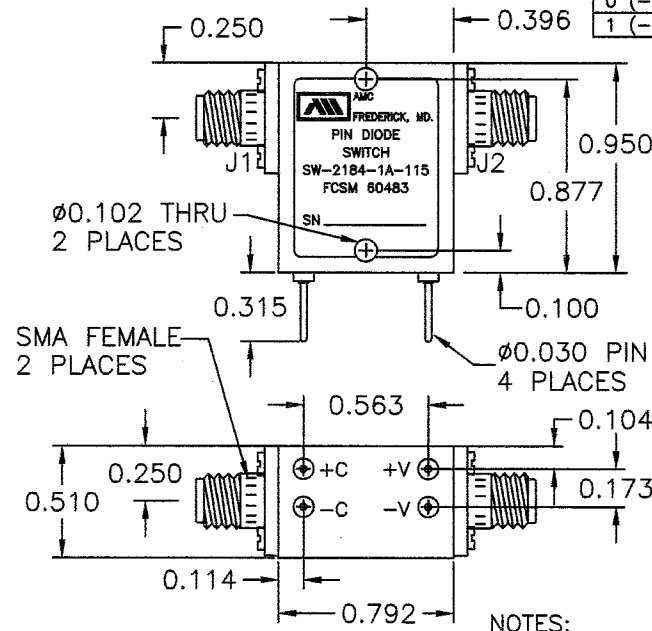
- FREQUENCY RANGE 1-18 GHz MINIMUM
- INSERTION LOSS 3.0 dB MAXIMUM
- ISOLATION 65 dB MINIMUM
- VSWR (ON) 2.0:1 MAXIMUM
- SWITCHING TIME
 - RISE (10% RF TO 90% RF) 2 ns MAXIMUM
 - FALL (90% RF TO 10% RF) 2 ns MAXIMUM
 - ON (50% TTL TO 90% RF) 10 ns MAXIMUM
 - OFF (50% TTL TO 10% RF) 10 ns MAXIMUM
- RF POWER RATINGS 1W CW MAXIMUM
- CONTROL BALANCED ECL LOGIC (SEE LOGIC TABLE)
- POWER SUPPLY +5VDC ±5% @ 50 mA MAXIMUM
-5VDC ±5% @ 50 mA MAXIMUM
- CONNECTORS
 - RF INPUT/OUTPUT SMA (FEMALE)
 - POWER SOLDER PIN
 - CONTROL SOLDER PIN
- SIZE 0.792" x 0.950" x 0.510"

AVAILABLE OPTIONS

- A01 50Ω CONTROL IMPEDANCE
- A02 100Ω CONTROL IMPEDANCE
- A03 INVERSE CONTROL LOGIC
- A14 J1 SMA MALE, J2 SMA FEMALE
- A15 TWO SMA MALE CONNECTORS
- 116 VIDEO FILTER (EXCESS 0.5dB LOSS)

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
A		ORIGINAL RELEASE, JOB # 206166	11/22/92	
B		ECN # 98-001	1/23/98	

MECHANICAL OUTLINE




LOGIC TABLE		
+C	-C	RF PATH
0 (-0.9V)	1 (-1.75V)	ON
1 (-1.75V)	0 (-0.9V)	OFF

- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010
 - 3) WEIGHT: APPROX. 1.0 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

		AMERICAN MICROWAVE CORPORATION 7311G GROVE RD., FREDERICK, MD. 21701 TEL: (301) 662-4700 FAX: (301) 662-4938	
		PRODUCT FEATURE SW-2184-1A-115 1-18 GHz, REFLECTIVE, ULTRA FAST SPST PULSE MODULATOR/SWITCH	
APPROVALS	DATE	SIZE	SHEET 1 OF 2
DRAWN <i>WSP</i>	11/22/92	A	DWG. # 100-2861
CHECKED			