

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE, JOB # 108158E	11/22/92	<i>[Signature]</i>

DESCRIPTION

AMC MODEL SW-2184-1-30 IS A REFLECTIVE BROAD-BAND SPST SWITCH MODULE WITHOUT DRIVER CIRCUITRY, PACKAGED IN A MINIATURE CONNECTORIZED HOUSING.

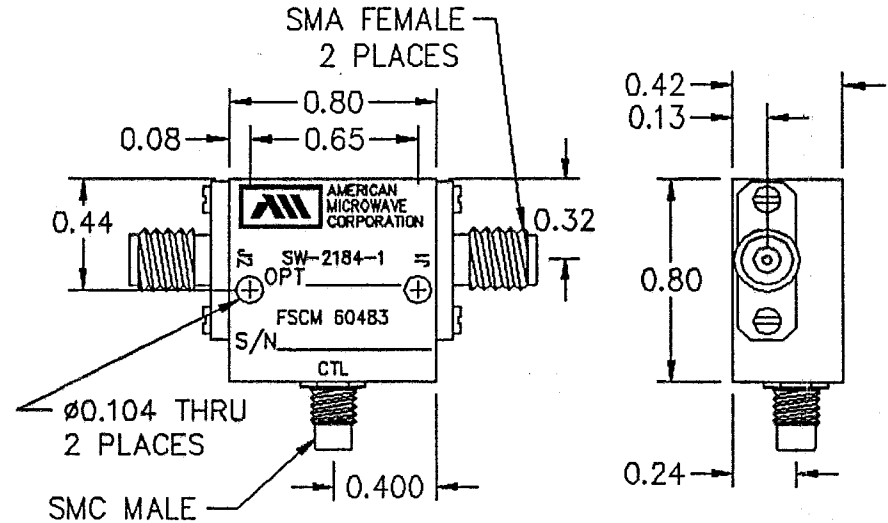
SPECIFICATIONS

- FREQUENCY RANGE 2-18 GHz MINIMUM
- INSERTION LOSS 2 dB MAXIMUM
- ISOLATION 60 dB MINIMUM
- VSWR (ON) 1.9:1 MAXIMUM
- RF POWER RATINGS +30 dBm CW MAXIMUM, OR +40 dBm PEAK @ 1 μ sec PW MAXIMUM
- SWITCHING TIME
 - RISE (10% RF TO 90% RF) 10 ns MAXIMUM
 - FALL (90% RF TO 10% RF) 10 ns MAXIMUM
 - ON (50% TTL TO 90% RF) 20 ns MAXIMUM
 - OFF (50% TTL TO 10% RF) 20 ns MAXIMUM
- CONTROLS CURRENT/VOLTAGE DRIVEN, SINGLE CONTROL
-10 VDC = INSERTION LOSS
+30 mA = ISOLATION
- CONNECTORS
 - RF INPUT/OUTPUT SMA FEMALE
 - CONTROL SMC MALE
- SIZE 0.80" x 0.80" x 0.42"

AVAILABLE OPTIONS

- A04 INPUT/OUTPUT VIDEO FILTER (0.5 dB EXCESS LOSS)
- A05 EXTENDED FREQUENCY RANGE TO 100 MHz
- A06 5 WATTS CW MAXIMUM
- A07 2 ns RISE/FALL TIME
- A13 J1 SMA MALE, J2 SMA FEMALE
- A14 TWO SMA MALE CONNECTORS
- A15 REMOVABLE CONNECTORS (DROP IN APPLICATIONS)
- A16 SOLDER PIN CONTROL CONNECTOR
- A17 SMA FEMALE CONTROL CONNECTOR

MECHANICAL OUTLINE



- NOTES:
- 1) DIMENSIONS ARE IN INCHES
 - 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010
 - 3) WEIGHT: APPROX. 1 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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APPROVALS	DATE
DRAWN <i>WJD</i>	11/22/92
CHECKED <i>[Signature]</i>	11/22/92

PRODUCT FEATURE

SW-2184-1-30

2-18 GHz, REFLECTIVE SPST PULSE MODULATOR SWITCH

SIZE A SHEET 1 OF 2 DWG. # 100-2904

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