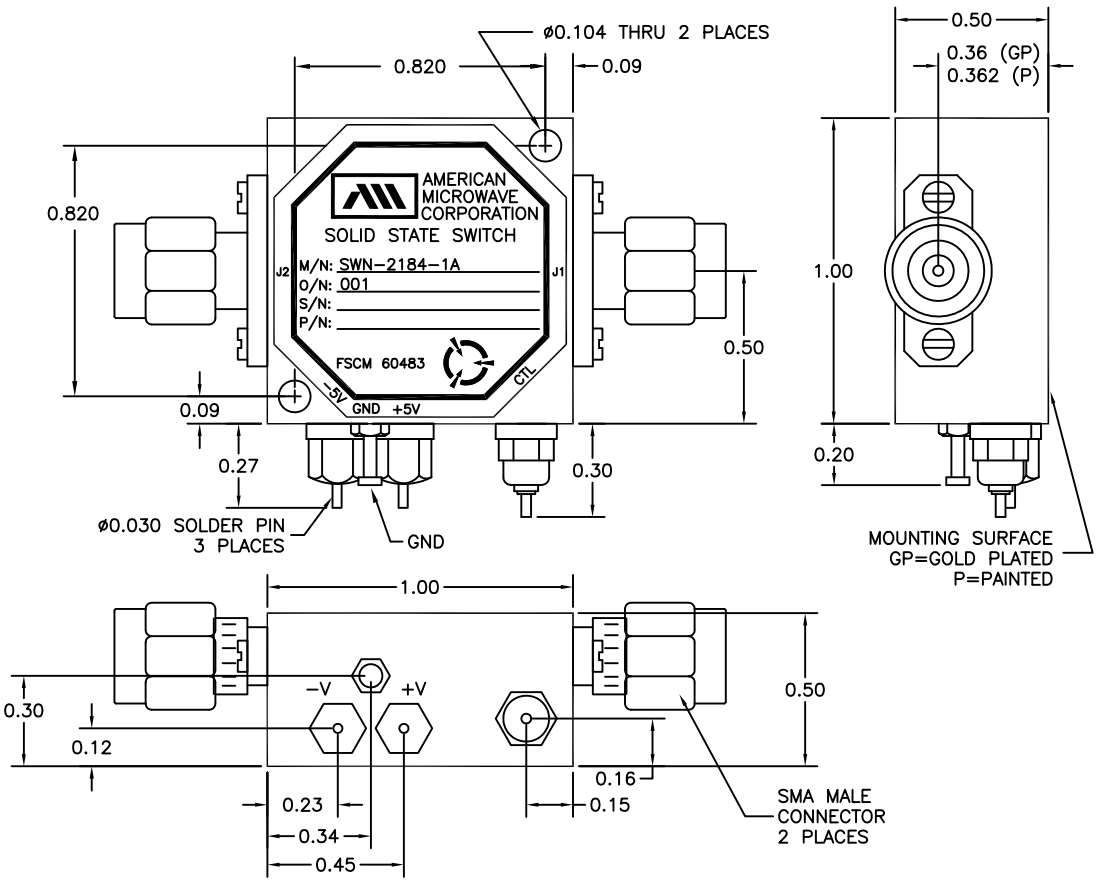
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL RELEASE	11/29/07	

DESCRIPTION

AMC MODEL SWN–2184–1A WITH OPTION 001, IS A SPST REFLECTIVE PIN–DIODE SWITCH/MODULATOR WITH A FREQUENCY RANGE OF 0.5 TO 18 GHz THAT HAS 2 SMA MALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE ..... 0.5 TO 18 GHz
- INSERTION LOSS ..... 0.5–1.0 GHz: 1.0dB MAX
  1.0–2.0 GHz: 1.0dB MAX
  2.0–4.0 GHz: 1.2dB MAX
  4.0–8.0 GHz: 1.5dB MAX
  8.0–12.4 GHz: 2.0dB MAX
  12.4–18.0 GHz: 2.5dB MAX
- ISOLATION ..... 0.5–1.0 GHz: 45dB MIN
  1.0–2.0 GHz: 70dB MIN
  2.0–4.0 GHz: 85dB MIN
  4.0–8.0 GHz: 85dB MIN
  8.0–12.4 GHz: 85dB MIN
  12.4–18.0 GHz: 80dB MIN
- VSWR ..... 0.5–1.0 GHz: 1.4:1
  1.0–2.0 GHz: 1.4:1
  2.0–4.0 GHz: 1.4:1
  4.0–8.0 GHz: 1.6:1
  8.0–12.4 GHz: 1.9:1
  12.4–18.0 GHz: 1.9:1
- RISE TIME ..... 10nS MAX
- DELAY ON/OFF: ..... 60nS MAX
- DC POWER (NO LOAD)
  +V ..... +5VDC @ 100mA
  –V ..... –5VDC @ 45mA MAXIMUM



OPTIONS

- 001 ..... SMA MALE CONNECTORS

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

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ISO 9001:2000 CERTIFIED

APPROVALS	DATE
DRAWN PRB	08/08/06
REDRAWN RA	09/12/06
ISSUED	

TITLE: PRODUCT FEATURE
SWN–2184–1A
OPTION: 001
0.5 TO 18.0 GHz SPST REFLECTIVE PIN–DIODE SWITCH

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100–6986–2	–

SCALE N:S SHEET 1 OF 4