DESCRIPTION:

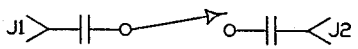
AMC MODEL SPITG-015 IS A SPST LOW VIDEO TRANSIENT, HIGH SPEED, NON-REFLECTIVE SWITCH THAT WORKS FROM 10 MHz TO 2 GHz WITH INTEGRAL TTL DRIVER

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL JOB# 20368E	11/20/02	

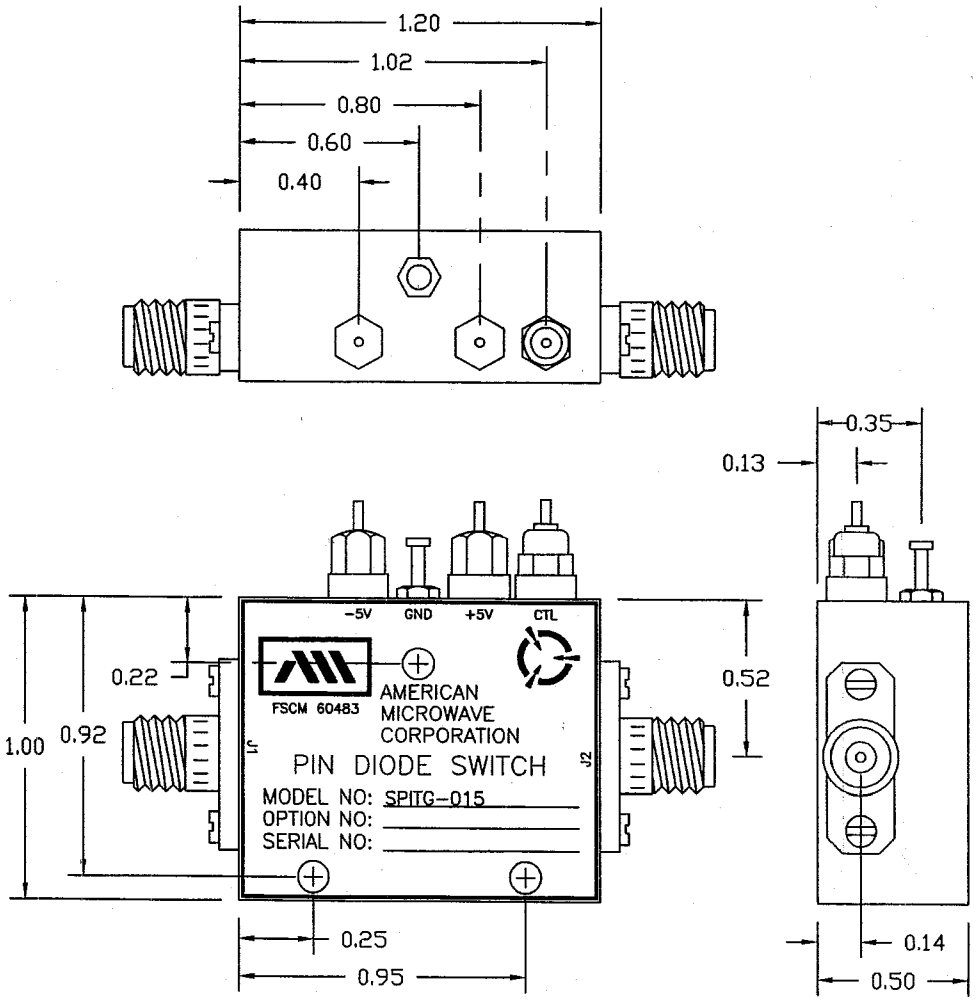
SPECIFICATIONS:

- FREQUENCY: ..... 0.01 TO 2 GHz
- INSERTION LOSS: ..... 2.0dB MAXIMUM
- ISOLATION: ..... 45 dB MINIMUM
- VSWR: 1.7:1
- RF POWER: ..... 10 dBm CW
- RISE TIME: ..... 7 nS MAXIMUM
- FALL TIME: ..... 7 nS MAXIMUM
- DELAY ON: ..... 25 nS MAXIMUM
- DELAY OFF: ..... 25 nS MAXIMUM
- POWER SUPPLY: ..... +5V @ 100mA
  −5V @ 100mA
- CONTROL: ..... TTL LOGIC "0"=ON "1"=OFF
- SIZE: ..... 1.00" (L) x 1.20" (W) x 0.50" (H)
- WEIGHT: ..... 1.5 OUNCE TYPICAL

BLOCK DIAGRAM



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



ENVIRONMENTAL RATINGS

- OPERATING TEMPERATURE ..... −65°C TO 110°C
- NON-OPERATING TEMPERATURE ..... −65°C TO 125°C
- 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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

CONFIDENTIAL AND PROPRIETARY

APPROVALS	DATE
DRAWN KAB	11/20/02
CHECKED	11/26/02
ISSUED KAB	11/26/02

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE: PRODUCT FEATURE
SPITG-015
0.01 – 2 GHz NON-REFLECTIVE
SPST SWITCH

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-6458	–

SCALE N/A SHEET 1 OF 3