

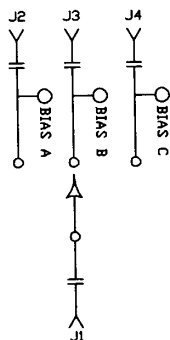
DESCRIPTION:

AMC MODEL NUMBER MSN-3DT-05 OPTION 26 IS A SINGLE POLE THREE THROW, PIN DIODE SWITCH OPTIMIZED FOR 2 TO 6 GHz FREQUENCY RANGE.

SPECIFICATIONS:

- FREQUENCY: 2 GHz TO 6 GHz
- INSERTION LOSS: 3.5 dB
- ISOLATION: 70 dB
- VSWR: 2.0:1
- SPEED: RISE: 10ns TYPICAL, 15ns MAX.
FALL: 10ns TYPICAL, 15ns MAX.
DELAY ON: 75ns TYPICAL, 100ns MAX.
DELAY OFF: 75ns TYPICAL, 100ns MAX.
- POWER INPUT: (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: +5V @ 150 mA MAXIMUM
-5V @ 100 mA MAXIMUM

BLOCK DIAGRAM



ENVIRONMENTAL RATINGS:

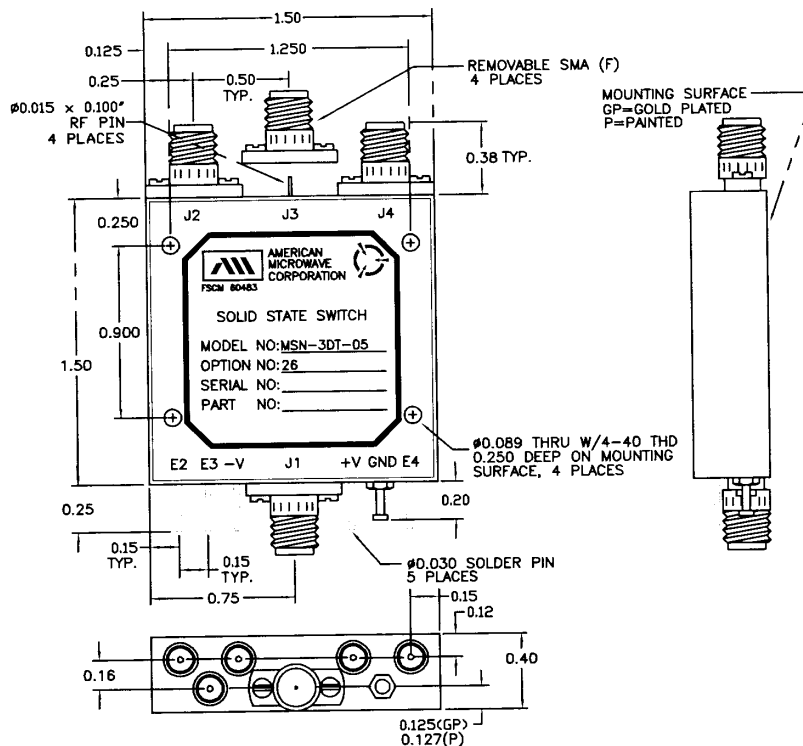
- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

ZONE		REV.	DESCRIPTION	DATE	APPROVED
-		-	ORIGINAL RELEASE, JOB# 707126-2	10/28/05	

MECHANICAL DRAWING



CONFIDENTIAL AND PROPRIETARY

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN <i>WJL</i>	10/28/05	PRODUCT FEATURE MSN-3DT-05 OPTION 26 SOLID STATE SWITCH		
CHECKED		SIZE	FSCM NO.	DWG NO.
ISSUED		A	60483	100-6798
		SCALE		SHEET 1 of 3