

DESCRIPTION

AMC MODEL SWM-2000-2DT IS AN ABSORPTIVE GaAs SPDT SWITCH MODULE WITH INTEGRAL TTL DRIVER, DESIGNED FOR HIGH SPEED, LOW POWER CONSUMPTION, AND BROAD-BAND SWITCHING APPLICATIONS.

SPECIFICATIONS

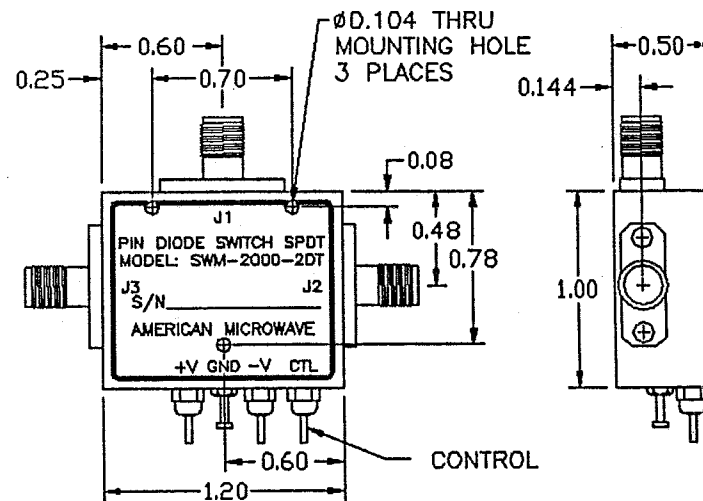
- FREQUENCY RANGE DC-2.0 GHz MINIMUM
- INSERTION LOSS DC-1.0 GHz, 1.0 dB MAXIMUM
1.0-2.0 GHz, 1.5 dB MAXIMUM
- ISOLATION DC-1.0 GHz, 50 dB MINIMUM
1.0-2.0 GHz, 45 dB MINIMUM
- VSWR (ON/OFF) DC-1.0 GHz, 1.5:1 MAXIMUM
1.0-2.0 GHz, 1.7:1 MAXIMUM
- RF POWER RATINGS 1 MHz @ +12 dBm TYPICAL
(1 dB COMPRESSION) 0.5-2.0 GHz @ +20 dBm TYPICAL
- 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) 15 ns MAXIMUM
OFF (50% TTL TO 10% RF) 15 ns MAXIMUM
- CONTROL TTL COMPATIBLE, UNITY LOAD
1 INDIVIDUAL CONTROL (TOGGLE)
LOGIC "0" = J1-J3 PATH ON
LOGIC "1" = J1-J2 PATH ON
- POWER SUPPLY +5VDC ±5% @ 5 mA MAXIMUM
-5VDC ±5% @ 10 mA MAXIMUM
- CONNECTORS
RF INPUT/OUTPUT SMA (FEMALE)
POWER SOLDER PIN (EMI)
CONTROL SOLDER PIN
- SIZE 1.20" x 1.00" x 0.50"

AVAILABLE OPTIONS

- A01 50Ω CONTROL IMPEDANCE
- A02 100Ω CONTROL IMPEDANCE
- A14 J1 SMA MALE, J2 AND J3 SMA FEMALE
- A15 J1 SMA FEMALE, J2 AND J3 SMA MALE
- A17 ±9 VDC TO ±18 VDC SUPPLY

REVISIONS				DATE	APPROVED
ZONE	REV.	DESCRIPTION			
A		ORIGINAL RELEASE, JOB # 20489	11/22/92		<i>[Signature]</i>

MECHANICAL OUTLINE



NOTES:

- 1) DIMENSIONS ARE IN INCHES [MILLIMETERS]
- 2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010
- 3) WEIGHT: APPROX. 1.4 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	PRODUCT FEATURE	
<i>[Signature]</i>	11/22/92	SWM-2000-2DT	
<i>[Signature]</i>	11/22/92	(SP2TG-0110)	
		DC-20 GHz, NON-REFLECTIVE, GaAs SPDT SWITCH MODULE	
SIZE A	SHEET 1 OF 2	DWG. # 100-2879	