

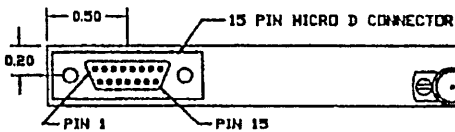
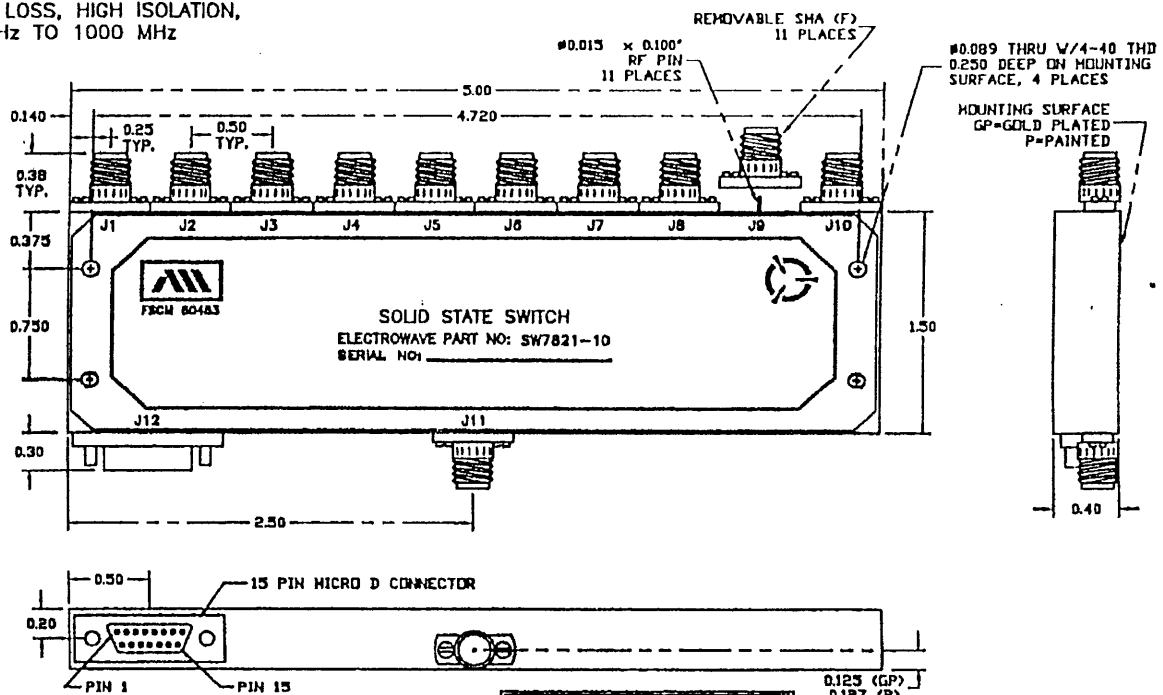
DESCRIPTION

AMC MODEL MSN-10DT-05-DEC-M OPTION NE, 100M1 IS A SINGLE POLE TEN THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, 4 BIT BINARY CONTROL AND INTEGRAL TTL DRIVER, DESIGNED FOR 100 MHz TO 1000 MHz FREQUENCY RANGE.

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
		ORIGINAL RELEASE	5/20/99	

SPECIFICATIONS:

- FREQUENCY: 100 MHz TO 1000 MHz
- INSERTION LOSS: 3.0 dB MAXIMUM
- ISOLATION: 70 dB MINIMUM
- VSWR: 1.6:1 MAXIMUM
- SWITCHING SPEED: 2 μ S MAXIMUM
- OPERATING TEMPERATURE: 0°C TO +60°C
- DC POWER SUPPLY: +5V @ 500 mA MAXIMUM
 -15V @ 100 mA MAXIMUM
- CONTROL: 4 BIT BINARY TTL
- RF CONNECTORS: SMA FEMALE
- SIZE: 5.00" x 1.50" x 0.40"
- WEIGHT: 5.50 OUNCES



TERMINAL LEVEL		OUTPUT/SWITCH COND		
E1	E2	E3	E4	RF
L	L	L	L	J1
H	L	L	L	J2
L	H	L	L	J3
H	H	L	L	J4
L	L	H	L	J5
H	L	H	L	J6
L	H	H	L	J7
H	H	H	L	J8
L	L	L	H	J9
H	L	L	H	J10

LOGIC L = LOW CD
LOGIC H = HIGH CD

PIN OUT TABLE	
PIN NO.	FUNCTION
1	E1
2	E2
3	E3
4	E4
5	N/C
6	N/C
7	N/C
8	N/C
9	N/C
10	N/C
11	N/C
12	DND
13	+V
14	-V
15	GRID

N/C = NOT CONNECTED

NOTE:
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

ENVIRONMENTAL RATINGS:

- TEMPERATURE: 0°C TO +60°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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN	5/20/99	OUTLINE DRAWING	
CHECKED	5/24/99	MSN-10DT-05-DEC-M NE, 100M1	
ISSUED	9/10/99	ELECTROWAVE PART NUMBER SW7821-10	
		SIZE	REV.
		A	60483
		DWG NO.	100-4107-5
		SCALE	SHEET 1 of 1

DATE 1 / 1999 5 DA 1000