

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 3.5db
..... ABSORPTIVE: 4.25db
- ISOLATION: 0.5 GHz TO 2 GHz: 60db
..... 2 GHz TO 18 GHz: 70db
- VSWR: REFLECTIVE IN/OUT: 2.0:1
..... ABSORPTIVE IN/OUT: 2.0:1
..... ABSORPTIVE OUT/OFF: 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 SUPPLY: +5V @ 300mA MAX.
..... -5V @ 75mA MAX.(REFLECTIVE)
..... 100mA MAX.(ABSORPTIVE/NON-REFLECTIVE)

OPTIONS:

- INDEPENDANT CONTROL WITH SOLDER PIN STANDARD
- DEC-MP 3 BIT DECODER WITH MULTIPIN
- DEC-SP 3 BIT DECODER WITH SOLDER PIN
- MP-IND INDEPENDANT CONTROL WITH MULTIPIN
- 10M18 10 MHz TO 18 GHz (INSERTION LOSS INCREASES BY 1.5db AT 10 MHz AND 0.5db AT 18 GHz)
- 100M18 100 MHz TO 18 GHz (INSERTION LOSS INCREASES BY 1.5db AT 100 MHz AND 0.5db AT 18 GHz)
- 218 2 GHz TO 18 GHz (NO CHANGE IN INSERTION LOSS)
- 418 4 GHz TO 12 GHz (NO CHANGE IN INSERTION LOSS)
- 618 6 GHz TO 18 GHz (NO CHANGE IN INSERTION LOSS)
- 100M20 100 MHz TO 20 GHz (INSERTION LOSS INCREASES BY 1.5db AT 100 MHz AND 1.0db AT 20 GHz)
- 220 2 GHz TO 20 GHz (INSERTION LOSS INCREASES BY 1.0db AT 20 GHz)
- 1020 10 GHz TO 20 GHz (INSERTION LOSS INCREASES BY 1.0db AT 20 GHz)
- B01 -12V POWER SUPPLIES
- B02 -15V POWER SUPPLIES

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°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

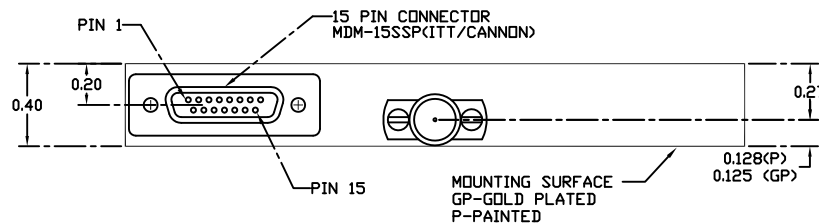
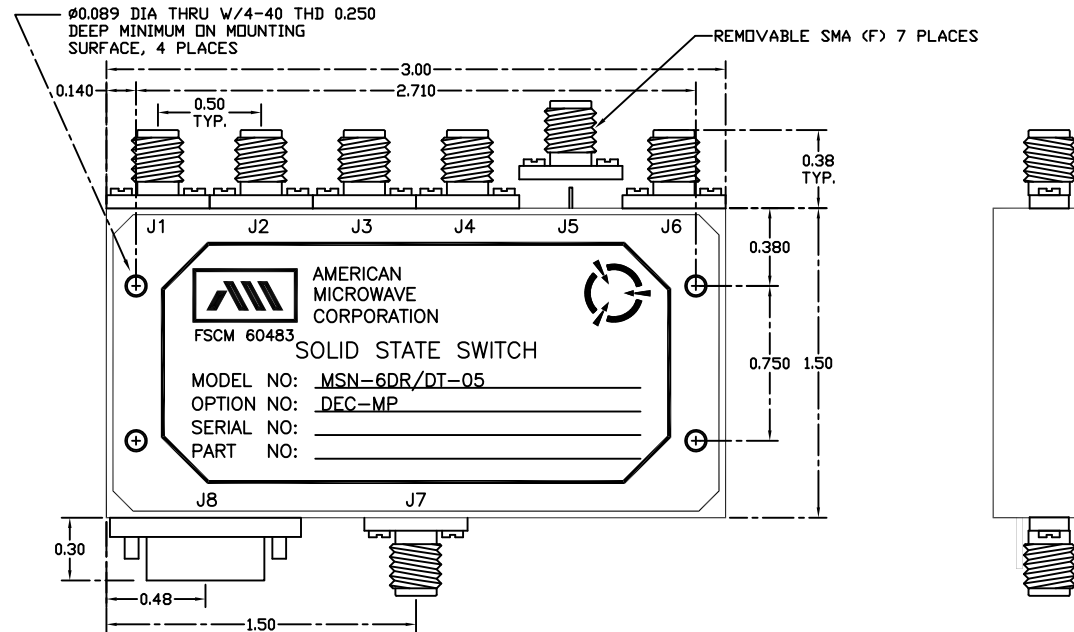
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

LOGIC TABLE				
INPUTS				PORT ON
E3	E2	E1		
L	L	H		J1
L	H	L		J2
L	H	H		J3
H	L	L		J4
H	L	H		J5
H	H	L		J6

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	6/30/97	
	B	SEE ECN# 12-002	1/5/12	RA



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

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>WSP</i>	6/30/97	OUTLINE DRAWING MSN-6DR/DT-05-DEC-MP REFLECTIVE/ABSORPTIVE OR NON-REFLECTIVE SOLID STATE SWITCH	
CHECKED		SIZE	FSCM NO.
ISSUED		A	60483
		DWG NO.	100-4151-2
		REV.	B
SCALE 1:1		SHEET 1 of 1	