

**DESCRIPTION**

AMC MODEL MSN-24DT-05-DEC-MP OPTION 300M10 IS A SINGLE POLE TWENTY FOUR THROW, NON-REFLECTIVE SWITCH MODULE DESIGNED TO OPERATE FROM 300MHZ TO 10GHz.

		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 008-17	1/10/17	RA
	B	SEE ECN# 17-057	8/3/17	RA
	C	SEE ECN# 17-071	8/30/17	RA

**SPECIFICATIONS:**

- FREQUENCY: . . . . . 300 MHz TO 10 GHz
- INSERTION LOSS: . . . . . 7.0 dB MAXIMUM
- ISOLATION: . . . . . 70 dB MINIMUM
- VSWR: . . . . . ABSORPTIVE IN/OUT: 2.0:1  
 ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: . . . . . RISE: 15 nSec MAX.  
 FALL: 15 nSec MAX.  
 DELAY ON: 100 nSec MAX.  
 DELAY OFF: 100 nSec MAX.
- POWER INPUT: . . . . . (CW)+20 dBm MAXIMUM
- SURVIVAL POWER: . . . . . 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: . . . . . TTL
- POWER SUPPLY: . . . . . +5V @ 1.2 A MAX.  
 -5V @ 400 mA MAX.

**OPTIONS:**

300M10: . . . . . 300 MHz - 10 GHz FREQUENCY RANGE

LOGIC TABLE

PORT	B0	B1	B2	B3	B4
J1	0	0	0	0	0
J2	1	0	0	0	0
J3	0	1	0	0	0
J4	1	1	0	0	0
J5	0	0	1	0	0
J6	1	0	1	0	0
J7	0	1	1	0	0
J8	1	1	1	0	0
J9	0	0	0	1	0
J10	1	0	0	1	0
J11	0	1	0	1	0
J12	1	1	0	1	0
J13	0	0	0	0	1
J14	1	0	0	0	1
J15	0	1	0	0	1
J16	1	1	0	0	1
J17	0	0	1	0	1
J18	1	0	1	0	1
J19	0	1	1	0	1
J20	1	1	1	0	1
J21	0	0	0	1	1
J22	1	0	0	1	1
J23	0	1	0	1	1
J24	1	1	0	1	1

PIN OUT FOR J26

FUNCTION	PIN
B0	PIN 1
B1	PIN 2
B2	PIN 3
B3	PIN 4
B4	PIN 5
(NC)	PIN 6
(NC)	PIN 7
(NC)	PIN 8
(NC)	PIN 9
-VS	PIN 10
+VS	PIN 11
GND	PIN 12
-VS	PIN 13
+VS	PIN 14
GND	PIN 15

1 = HIGH VOLTAGE LEVEL  
 0 = LOW VOLTAGE LEVEL

**ENVIRONMENTAL RATINGS:**

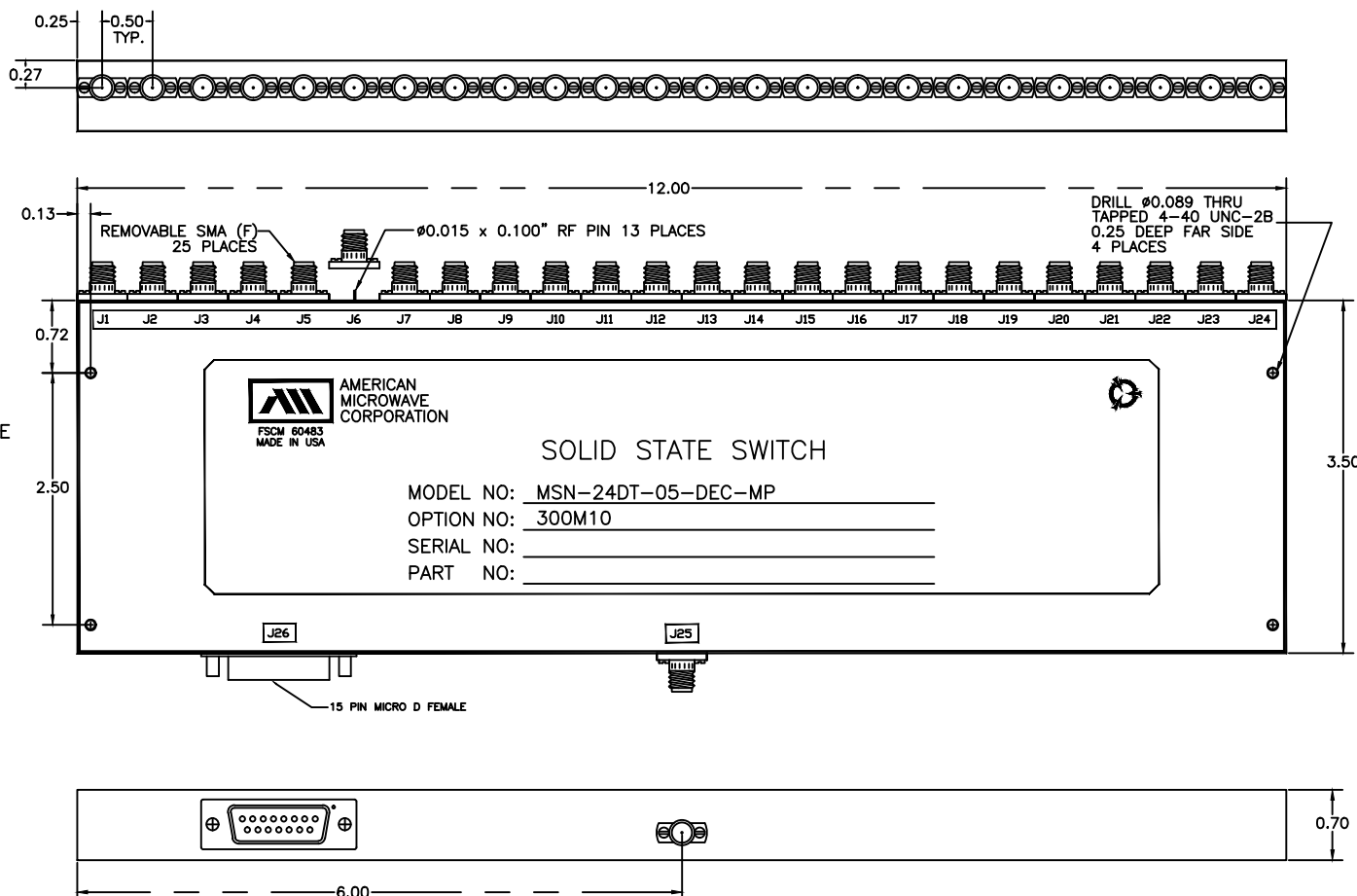
- TEMPERATURE: . . . . . -40°C TO +85°C (OPERATING)  
 -65°C TO +125°C (STORAGE)
- HUMIDITY: . . . . . MIL-STD-202F, METHOD 103B COND. B
- SHOCK: . . . . . MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: . . . . . MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: . . . . . MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: . . . . . MIL-STD-202F, METHOD 107D COND. A

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:

X.XX ±0.020  
 X.XXX ±0.010

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.



PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN	1/10/17	OUTLINE DRAWING		
ENG.	5/2/17	MSN-24DT-05-DEC-MP		
QAE	5/2/17	OPTION 300M10		
SIZE	FSCM NO.	DWG NO.	REV.	
A	60483	100-8779-3	C	
SCALE N/S		SHEET 1 of 1		