

DESCRIPTION

AMC MODEL MSN-24DT-05-DEC-MP OPTION 100M18 IS A SINGLE POLE TWENTY FOUR THROW, NON-REFLECTIVE SWITCH MODULE DESIGNED TO OPERATE FROM 100MHz TO 18GHz.

SPECIFICATIONS:

- FREQUENCY: 100 MHz TO 18 GHz
- INSERTION LOSS: 7.5 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 @ 250 mA MAX.

OPTIONS:

100M18: 100 MHz - 18 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

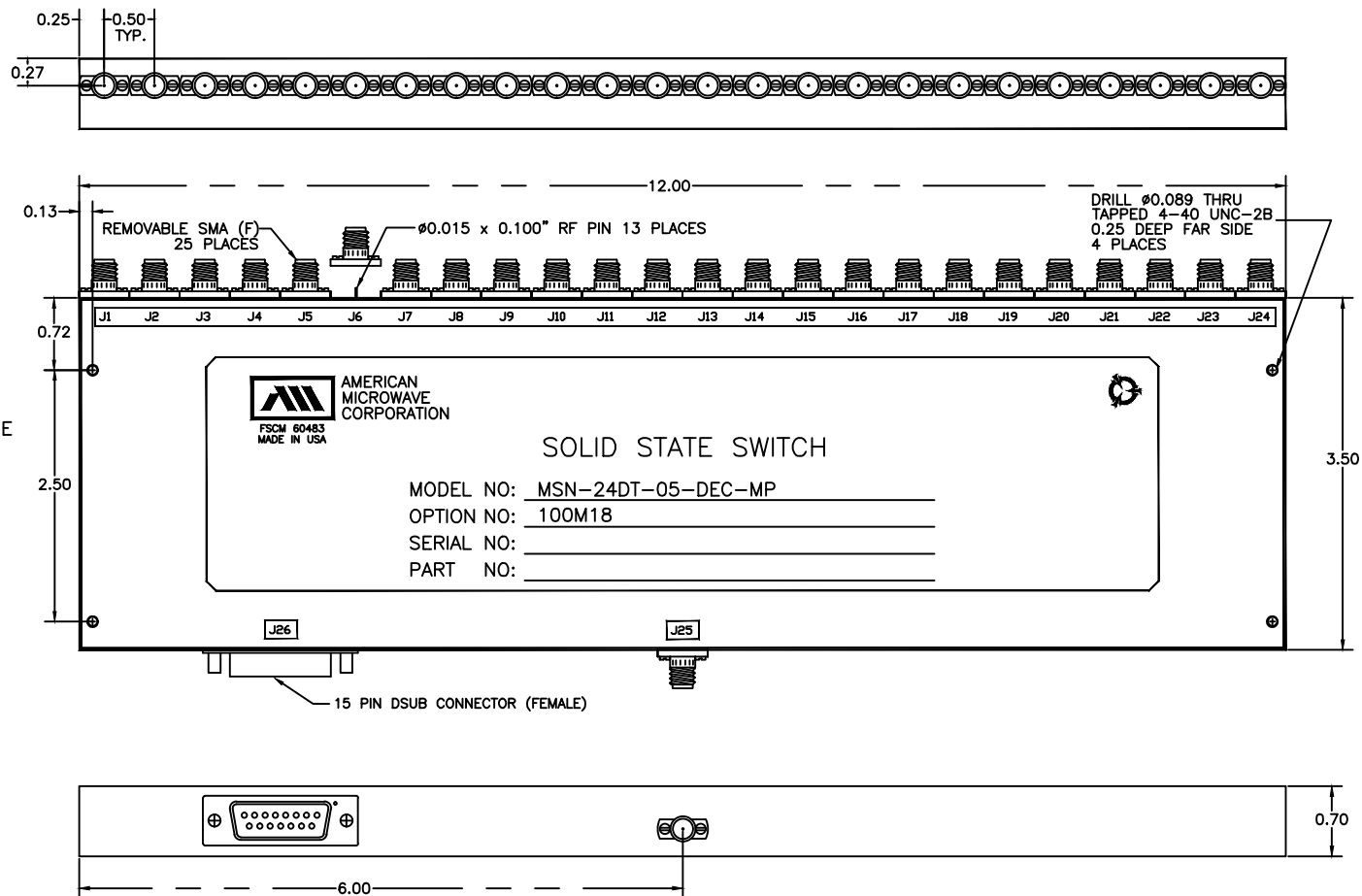
ENVIRONMENTAL RATINGS:

- 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

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.

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

		REVISIONS		
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	SEE PER# 020-20	7/15/20	RRA
	A	SEE ER# 039-20	7/28/20	RRA



PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN	RJW 7/15/2020	OUTLINE DRAWING		
ENG.	RRA 7/15/2020	MSN-24DT-05-DEC-MP		
QAE	RRA 7/15/2020	OPTION 100M18		
SIZE	FSCM NO.	DWG NO.	REV.	
A	60483	100-8779-4	A	
SCALE N/S		SHEET 1 of 1		