

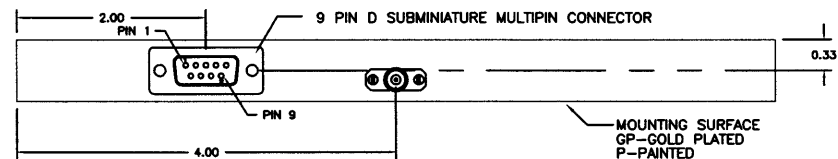
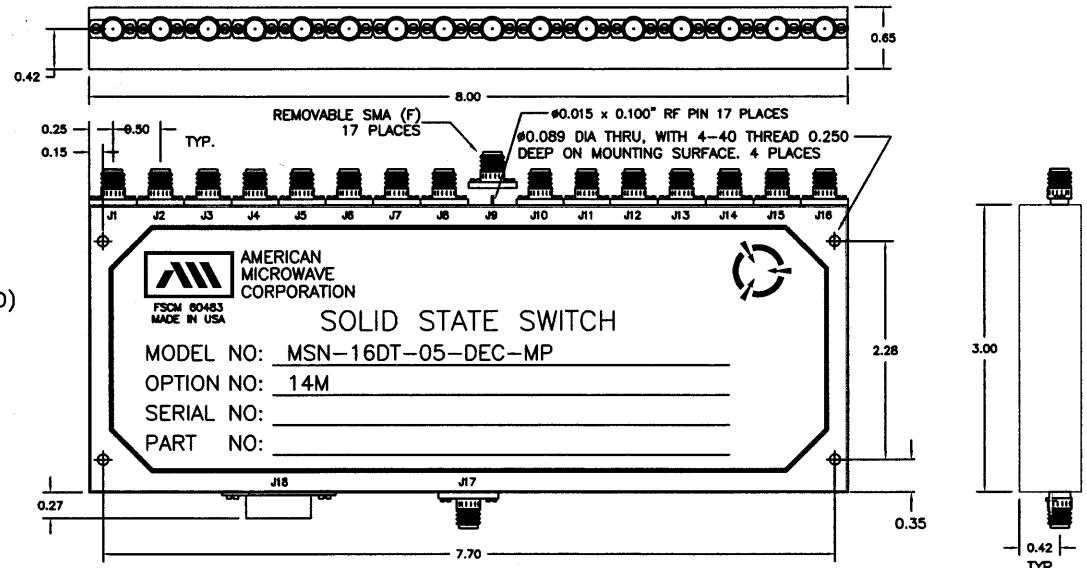
DESCRIPTION

AMC MODEL MSN-16DT-05-DEC-MP OPTION: 14M IS AN ABSORPTIVE/NON-REFLECTIVE, SINGLE POLE SIXTEEN THROW SWITCH DESIGNED TO OPERATE BETWEEN THE 100 TO 400 MHz FREQUENCY RANGE.

SPECIFICATIONS

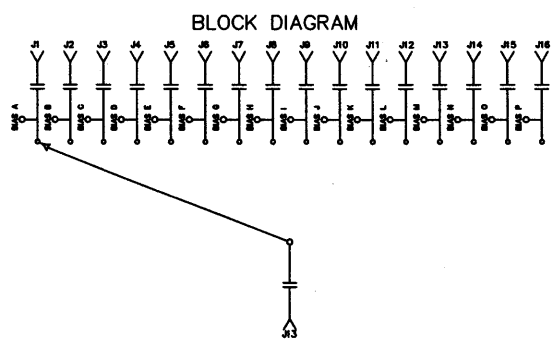
- FREQUENCY RANGE: 100 MHz TO 400 MHz
- INSERTION LOSS: 7.0 dB MAXIMUM
- ISOLATION: 60 dB MINIMUM
- VSWR: 2.0:1
- RISE TIME: 10 nSec TYPICAL, 15 nSec MAXIMUM
- FALL TIME: 10 nSec TYPICAL, 15 nSec MAXIMUM
- DELAY ON: 75 nSec TYPICAL, 150 nSec MAXIMUM
- DELAY OFF: 75 nSec TYPICAL, 150 nSec MAXIMUM
- POWER INPUT: (CW)+20 dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 uSec
- CONTROL: SEE LOGIC TABLE BELOW
- POWER SUPPLY: +5V @ 750 mA MAXIMUM
-5V @ 200 mA MAXIMUM
- CONNECTORS:
RF: SMA FEMALE
CONTROL: 9 PIN SUBMINIATURE MULTIPIN CONNECTOR MATING CONNECTOR FURNISHED
- SIZE: 8.00" (L) x 3.00" (W) x 0.65" (H)

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	ORIGINAL RELEASE JOB# 411261	1/11/05	



PIN NO.	FUNCTION
1	E1
2	E2
3	E3
4	E4
5	E5
6	GND
7	+V
8	-V
9	GND

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



TERMINAL LEVEL					OUTPUT/SWITCH (ON)
E1	E2	E3	E4	E5	RF
L	L	L	L	L	J1
H	L	L	L	L	J2
L	H	L	L	L	J3
H	H	L	L	L	J4
L	L	H	L	L	J5
H	L	H	L	L	J6
L	H	H	L	L	J7
H	H	H	L	L	J8
L	L	L	H	H	J9
H	L	L	H	H	J10
L	H	L	H	H	J11
H	H	L	H	H	J12
L	L	H	H	H	J13
H	L	H	H	H	J14
L	H	H	H	H	J15
H	H	H	H	H	J16

LOGIC L = LOW (0)
LOGIC H = HIGH (1)

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°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

AMERICAN MICROWAVE CORPORATION

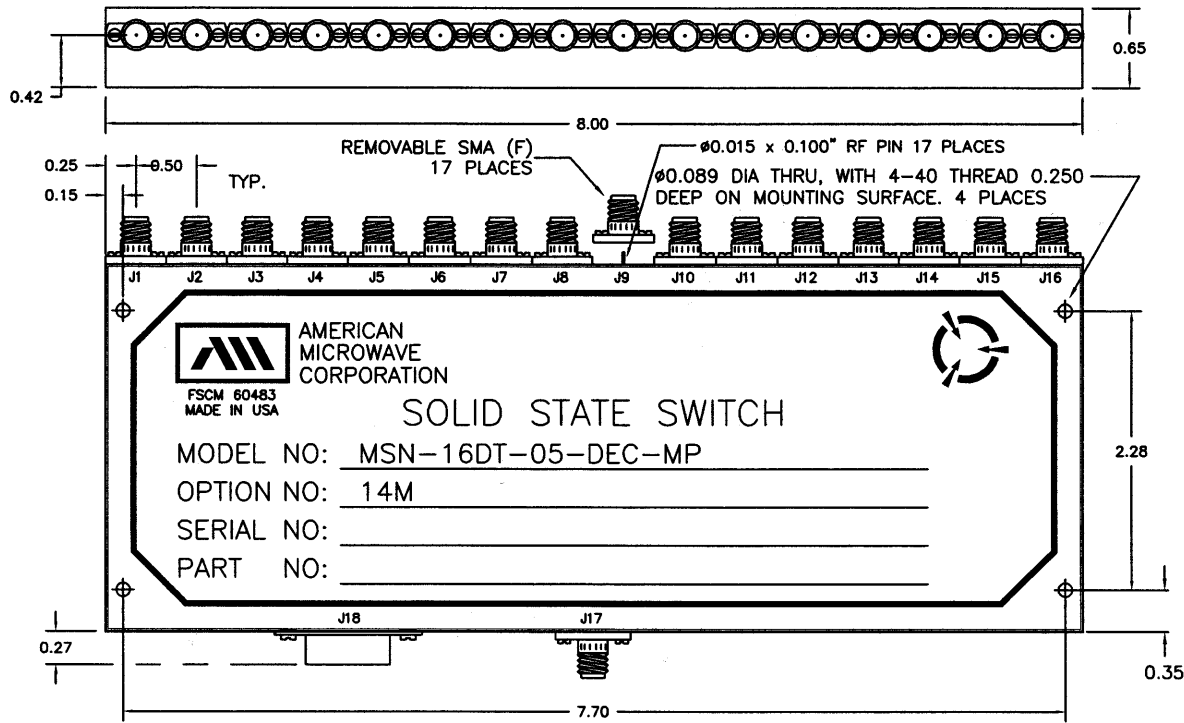
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WEBSITE: www.americanmicrowavecorp.com
E-MAIL: sales@americanmicrowavecorp.com
ISO 9001:2000 CERTIFIED

APPROVALS		DATE		TITLE MSN-16DT-05-DEC-MP OPTION: 14M 100 TO 400 MHz, SINGLE POLE SIXTEEN THROW SWITCH	
DRAWN <i>JDJ</i>		1/11/05			
CHECKED		SIZE A	FSCM NO. 60483	DWG NO. 100-7147	REV. -
ISSUED		SCALE N:S		SHEET 1 OF 3	

DESCRIPTION

AMC MODEL MSN-16DT-05-DEC-MP OPTION: 14M IS AN ABSORPTIVE/NON-REFLECTIVE, SINGLE POLE SIXTEEN THROW SWITCH DESIGNED TO OPERATE BETWEEN THE 100 TO 400 MHz FREQUENCY RANGE.

MECHANICAL OUTLINE

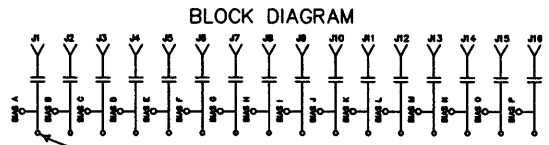
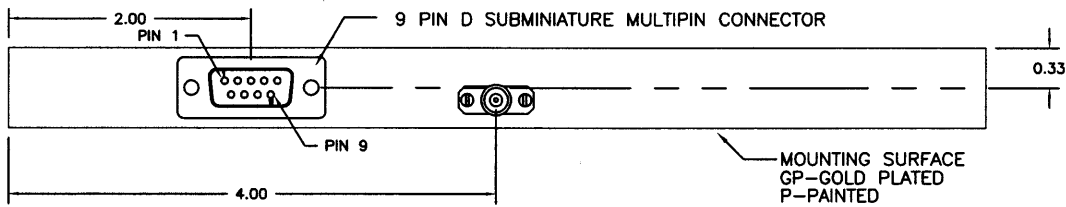


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 411261	1/11/05	

PIN OUT TABLE	
PIN NO.	FUNCTION
1	E1
2	E2
3	E3
4	E4
5	E5
6	GND
7	+V
8	-V
9	GND

LOGIC TABLE					
TERMINAL LEVEL					OUTPUT/SWITCH (ON)
E1	E2	E3	E4	E5	RF
L	L	L	L	L	J1
H	L	L	L	L	J2
L	H	L	L	L	J3
H	H	L	L	L	J4
L	L	H	L	L	J5
H	L	H	L	L	J6
L	H	H	L	L	J7
H	H	H	L	L	J8
L	L	L	H	H	J9
H	L	L	H	H	J10
L	H	L	H	H	J11
H	H	L	H	H	J12
L	L	H	H	H	J13
H	L	H	H	H	J14
L	H	H	H	H	J15
H	H	H	H	H	J16

LOGIC L = LOW (0)
LOGIC H = HIGH (1)



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

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APPROVALS		DATE	TITLE		
DRAWN <i>JDJ</i>		1/11/05	MECHANICAL OUTLINE MSN-16DT-05-DEC-MP OPTION: 14M 100 TO 400 MHz, SINGLE POLE SIXTEEN THROW SWITCH		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7147
			SCALE	N:S	SHEET 2 OF 3