DESCRIPTION

AMC MODEL MSN-12DR/DT-05-STANDARD IS A SINGLE POLE TWELVE THROW, REFLECTIVE OR ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE DESIGNED TO OPERATE OVER THE FULL 0.5 TO 18 GHz FREQUENCY RANGE. THE SIZE IS 6.00" x 3.00" x 0.65".

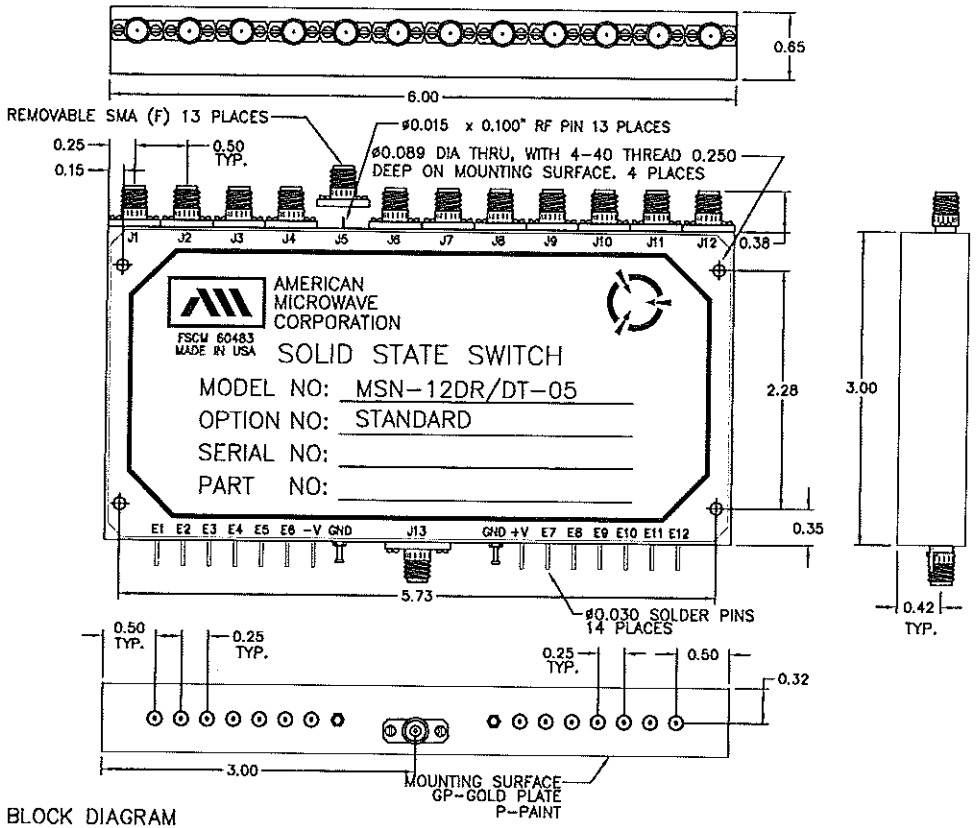
SPECIFICATIONS:

- FREQUENCY: · · · · 0.5 GHz TO 18 GHz
- INSERTION LOSS: · · · REFLECTIVE: 5.0 dB MAXIMUM
  ABSORPTIVE: 5.5 dB MAXIMUM
- ISOLATION: · · · · · 0.5 GHz TO 18 GHz: 60 dB MINIMUM
- VSWR: · · · · · · · REFLECTIVE IN/OUT: 2.0:1
  ABSORPTIVE IN/OUT: 2.0:1
  ABSORPTIVE OUT/OFF: 2.0:1
- SPEED: · · · · · · RISE: 15ns MAX.
  FALL: 15ns MAX.
  DELAY ON: 150ns MAX.
  DELAY OFF: 150ns MAX.
- POWER INPUT: · · · · (CW)+20dBm (STANDARD), +10 dBm (HIGH SPEED)
- SURVIVAL POWER: · · 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: · · · · · TTL LOGIC "0"=ON "1"=OFF
- POWER SUPPLY: · · · +5V @ 600 mA MAX.
  -5V @ 150mA MAX.(RELECTIVE)
  200mA MAX.(ABSORPTIVE/NON-REFLECTIVE)

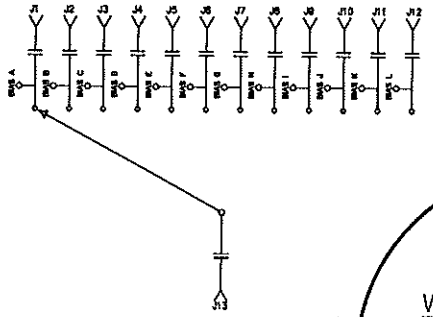
OPTIONS:

DEC-MP	4 BIT DECODER WITH MULTIPIN
DEC-SP	4 BIT DECODER WITH SOLDER PIN
MP-IND	INDEPENDENT CONTROL WITH MULTIPIN
B01	-12V POWER SUPPLIES
B02	-15V POWER SUPPLIES
B03	REVERSE LOGIC "1"=ON "0"=OFF
B04	DRIVERLESS, CURRENT CONTROLLED
B05	HIGH SPEED, TURNON/TURNOFF 25 nsec MAXIMUM WHEN APPLICABLE
B06	HIGH POWER - SPECIFY CW POWER, PEAK POWER, PULSE WIDTH, DUTY CYCLE, RF FREQUENCY AND BANDWIDTH
B08	LOW VIDEO TRANSIENTS - SPECIFY VIDEO BANDWIDTH
B10	HIGHER ISOLATION VERSION (SPECIFY)

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 408206X	9/16/04	
	B	SEE ECR# 09-025	6/3/09	



BLOCK DIAGRAM



NOTE:

DR=WITH DRIVER, REFLECTIVE

DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

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.

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

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APPROVALS	DATE
DRAWN WSP	7/2/97
REDRAWN JDJ	9/16/04
ISSUED	6/10/09

TITLE: PRODUCT FEATURE
MSN-12DR/DT-05-STANDARD
REFLECTIVE OR ABSORPTIVE/NON-REFLECTIVE
SINGLE POLE TWELVE THROW SOLID STATE SWITCH

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-4161	B

SCALE N:S