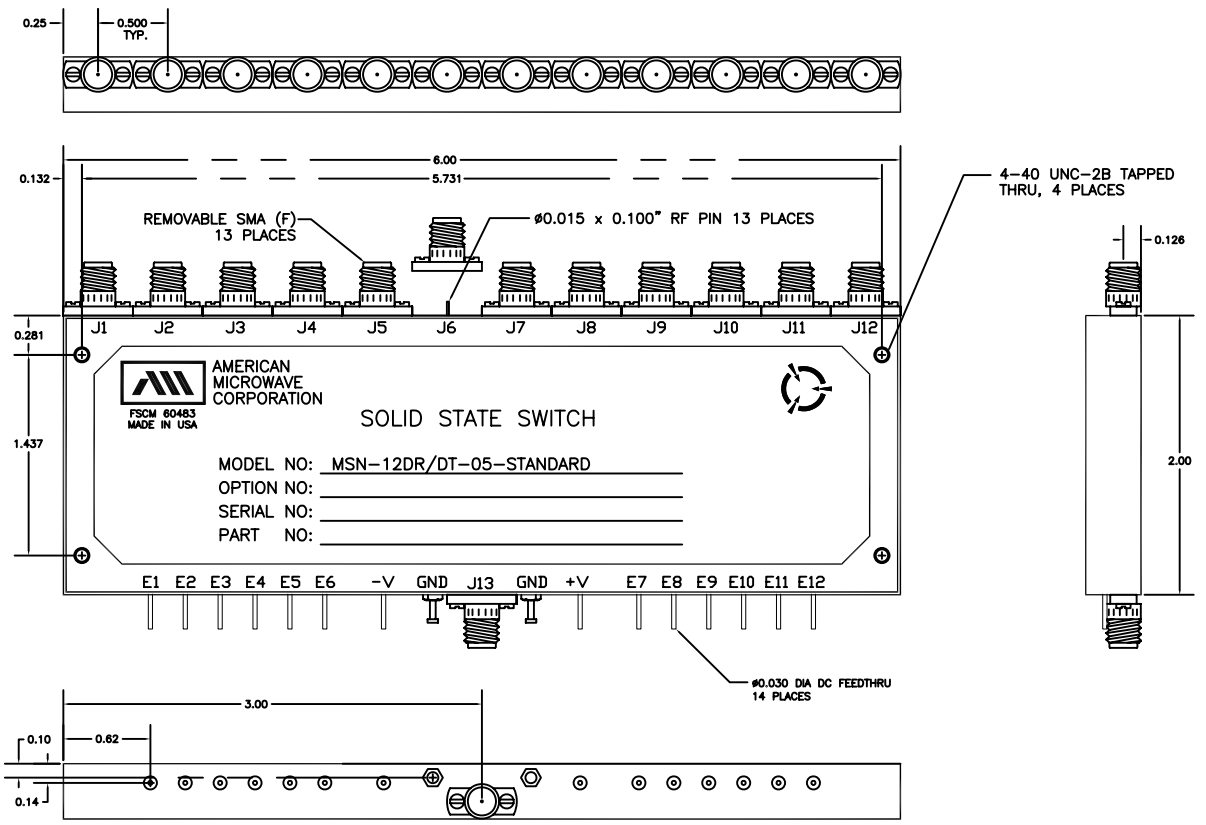
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 032-10	4/30/10	RA

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.

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: 50ns MAX.
  FALL: 50ns 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
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 (2-18GHz)
B10	HIGHER ISOLATION VERSION (SPECIFY)

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

PART NO.		
APPROVALS		DATE
DRAWN	K SIMMS	4/30/10
ENG.	RA	4/30/10
QAE	K SIMMS	4/30/10

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE
OUTLINE DRAWING
MSN-12DR/DT-05-STANDARD

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-7951	A

SCALE N/S SHEET 1 of 1