DESCRIPTION:

AMC MODEL MSN-3DR/DT-05-STANDARD IS A SINGLE POLE THREE THROW SWITCH WITH INDEPENDENT CONTROL WITH SOLDER PIN STANDARD HAVING A FREQUENCY RANGE OF 0.5 TO 18 GHz, AN INSERTION LOSS OF 2.75 dB (REFLECTIVE), 3.75 dB (ABSORPTIVE), AND ISOLATION OF 60 dB.

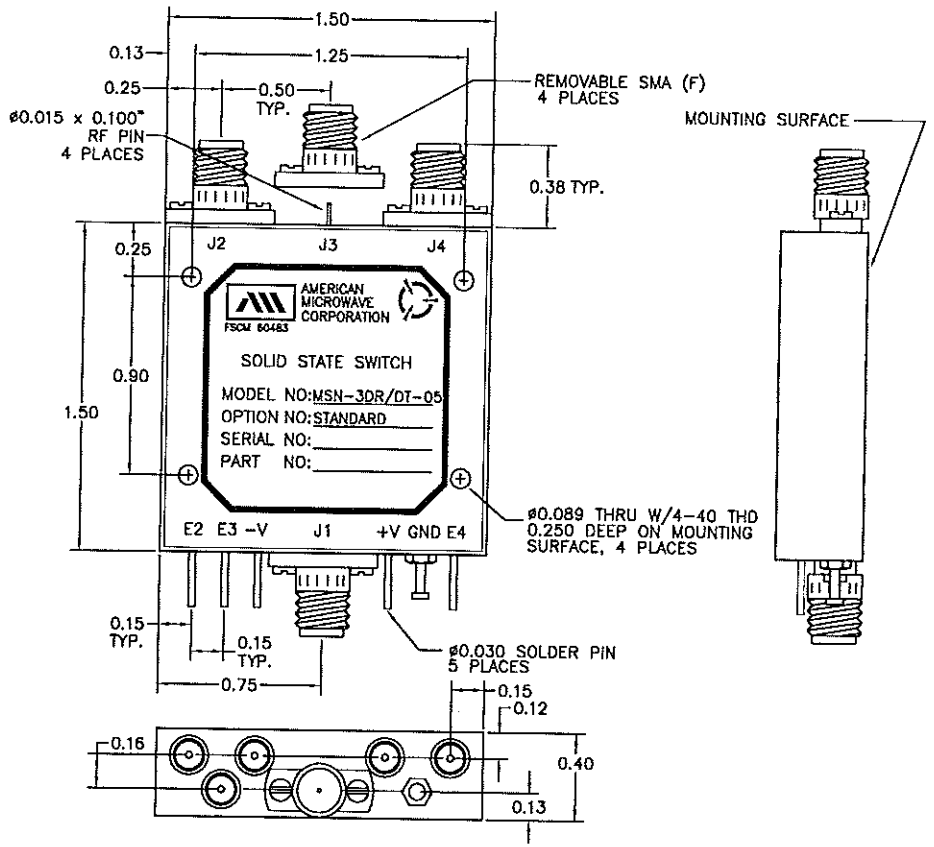
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	07/07/97	
	B	SEE ECN# 04-110	06/01/04	
	C	SEE ECR# 09-025	6/9/09	

SPECIFICATIONS:

- FREQUENCY: . . . . 0.5 GHz TO 18 GHz
- INSERTION LOSS: . . . REFLECTIVE: 2.75db
ABSORPTIVE: 3.75db
- ISOLATION: . . . . . 0.5 GHz TO 18 GHz: 60db
- 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: 100ns MAX.
DELAY OFF: 100ns 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 @ 150 mA MAX.
-5V @ 75mA MAX.(RELECTIVE)
100mA MAX.(ABSORPTIVE/NON-REFLECTIVE)

OPTIONS:

DEC-SP	2 BIT DECODER WITH SOLDER PIN
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)



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: 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 JDT	6/1/04
CHECKED	6/10/09
ISSUED	

TITLE: PRODUCT FEATURE
MSN-3DR/DT-05-STANDARD
REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE SOLID STATE SWITCH

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-4165-1	C

SCALE N:S SHEET 1 OF 3