

DESCRIPTION:

AMC MODEL SWNM-2181-2DR-STANDARD OPTION: HIT, 618, HPR4W, MH IS A MINATURE SINGLE POLE DOUBLE THROW, REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION, INTEGRAL TTL DRIVER AND POWER HANDLING OF 4 WATTS ON OVER THE 6.0 TO 18 GHz BAND WITH SINGLE CONTROL.

SPECIFICATIONS:

- FREQUENCY: 6.0 GHz TO 18 GHz
- INSERTION LOSS: 2.5 dB MAXIMUM
- ISOLATION: 60 dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SWITCHING SPEED: 70 nSEC MAXIMUM
- POWER HANDLING: 4 WATTS MAXIMUM
- TEMPERATURE: -54°C TO +100°C
- CONTROL: TTL LOGIC WITH SINGLE CONTROL
 LOGIC "0" = PORT J3 TO J1 IS ON
 LOGIC "1" = PORT J3 TO J2 IS ON
- POWER SUPPLY: +5V @ 75 mA MAXIMUM
 -15V OR -12V @ 50 mA MAXIMUM
- RF CONNECTORS: REMOVABLE SMA FEMALE
- SIZE: 0.8" (L) x 0.62" (W) x 0.3" (H)
- WEIGHT: 0.75 OUNCE TYPICAL
- FINISH: GOLD PLATED
- MOUNTING TEMPERATURE: 150°C MAXIMUM FOR TWO MINUTES FOR MOUNTING TO PC BOARD
- CONNECTORS ARE FOR TEST PURPOSES ONLY

STANDARD UNIT HAS SINGLE CONTROL TTL LOGIC (1 CONTROL PIN)

LOGIC "0" = PORT J3 TO J1 IS ON
 LOGIC "1" = PORT J3 TO J2 IS ON

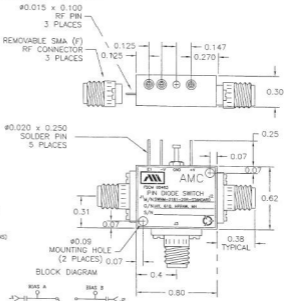
OPTION NO HAS INDEPENDENT CONTROL TTL LOGIC (2 CONTROL PINS)

LOGIC "0" = INSERTION LOSS
 LOGIC "1" = ISOLATION

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -54°C TO +100°C (OPERATING)
 -65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 1038 CONDITION B
- SHOCK: MIL-STD-202F, METHOD 2040 CONDITION B
- VIBRATION: MIL-STD-202F, METHOD 1035 CONDITION B
- ALTITUDE: MIL-STD-202F, METHOD 1035 CONDITION B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 1070 CONDITION A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
 .XXX ±0.020
 .XXXX ±0.010

M/N = MODEL NUMBER
 O/N = OPTION NUMBER
 S/N = SERIAL NUMBER

APPROVALS		DATE	TITLE	
DESIGN	RAB	02/18/04	OUTLINE DRAWING	
REWORK	JES	6/19/04	SWNM-2181-2DR-STANDARD	
REVISED	J&TB	04/18/04	OPTION HIT, 618, HPR4W, MH	
			6 TO 18 GHz SINGLE POLE TWO THROW SWITCH	
PART NUMBER		QTY	QTY	QTY
A 60483		100-6000-1	1	1
SCALE N/A		SHEET 1 OF 3		



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