

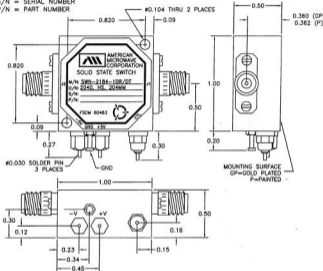
**DESCRIPTION:**

AMC MODEL SWN-2184-1DT OPTION 2040, HS, 204MM IS A SINGLE POLE SINGLE THROW, NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH 2.4MM CONNECTORS DESIGNED FOR HIGH SPEED AND WITH INTEGRAL TTL DRIVER, OPTIMIZED FOR 20 GHz TO 40 GHz OPERATION.

**SPECIFICATIONS:**

- FREQUENCY: ..... 20GHz TO 40 GHz
- INSERTION LOSS: ..... -5.0dB
- ISOLATION: ..... -30dB
- VSWR: ..... REFLECTIVE IN/OUT: 2.0:1  
OUTPUT OFF: 2.0:1
- SPEED: ..... RISE: 10ns TYPICAL, 15ns MAX.  
FALL: 10ns TYPICAL, 15ns MAX.  
DELAY ON: 75ns TYPICAL, 100ns MAX.  
DELAY OFF: 75ns TYPICAL, 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
- CONNECTORS: ..... 2.4MM 50GHz CONNECTORS
- POWER SUPPLY: ..... +5V @ 70 mA MAX.  
-5V @ 50 mA MAX.(REFLECTIVE)  
100mA MAX.(ABSORPTIVE/NON-REFLECTIVE)

M/N = MANUFACTURER PART NUMBER  
O/N = OPTION NUMBER  
S/N = SERIAL NUMBER  
P/N = PART NUMBER

**NOTE:**

DR=WITH DRIVER, REFLECTIVE  
DT=WITH DRIVER, NON-REFLECTIVE/ABSORPTIVE

**BLOCK DIAGRAM****ENVIRONMENTAL RATINGS:**

- TEMPERATURE: ..... -55°C TO +85°C (OPERATING)  
-55°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

ALL DIMENSIONS ARE IN INCHES

**TOLERANCES:**

X.XX ±0.020  
X.XXX ±0.010

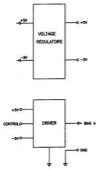
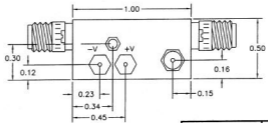
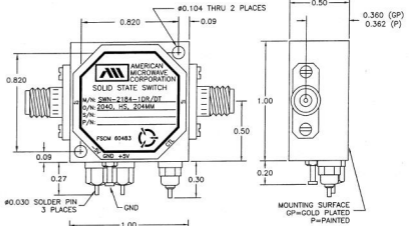
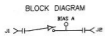
DATE		REVISIONS	DATE	APPROVED
		ORIGINAL RELEASE	12/1/00	
		JOB# 307137PE-2		

APPROVALS		DATE	TITLE	
DESIGN	898	12/1/00	PRODUCT FEATURE	
CHECKED	10	12/1/00	SWN-2184-1DR/DT	
DRAWN	10	12/1/00	OPTION 2040, HS, 204MM	
SIZE	TSCM NO. A	60483	QTY NO.	100-6872
SCALE	N/S		SHEET	1 of 3



AMERICAN MICROWAVE CORPORATION  
FREDERICK, MARYLAND

REVISIONS			
DATE	REV.	DESCRIPTION	APPROVED
	-	ORIGINAL RELEASE	07/02/03
		JOB# 307137PE-2	



APPROVALS		DATE		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND	
DRAWN <i>898</i>	DESIGNED <i>pk</i>	12/3/03	12/10/03	TITLE OUTLINE DRAWING SWN-2184-1DR/DT OPTION 2040, HS, 204MM	
CHECKED <i>BB</i>	DATE 12/10/03	SIZE A	PRICE NO. 60483	QTY NO. 100-6872	REV. -
SCALE N/S			SHEET 2 of 3		