

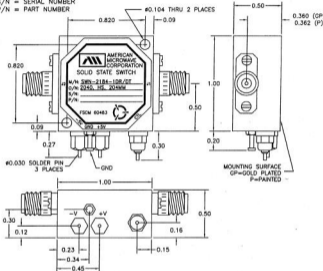
DESCRIPTION:

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

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:

X.XX ±0.020
X.XXX ±0.010

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

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

		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVAL	DATE	PRODUCT FEATURE SWN-2184-1DR/DT OPTION 2040, HS, 204MM		
DRAWN 898	12/1/00	SIZE	FROM NO. A 60483	QTY NO. 100-6872
CHECKED [Signature]	12/1/00	SCALE	N/S	REV. -
REVISED [Signature]	12/1/00			SHEET 1 of 3