AMC MODEL SWNND–2184–1DT IS A SINGLE POLE SINGLE THROW, NON–REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, HIGH SPEED AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 0.5 GHz TO 21 GHz OPERATION.

SPECIFICATIONS:
- FREQUENCY: 0.5 GHz TO 20 GHz
- INSERTION LOSS: 3.0 dB MAXIMUM
- ISOLATION: 65 dB MINIMUM
- VSWR: ABSORPTIVE IN/OUT: 2.0:1
- SPEED: RISE: 10ns MAXIMUM
- 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 50 mA MAXIMUM
- B01 -12V POWER SUPPLIES
- B02 -15V POWER SUPPLIES
- B03 REVERSE LOGIC "1"=ON "0"=OFF
- B05 HIGH SPEED, TURNON/TURNOFF 20 nsec MAXIMUM WHEN APPLICABLE OR OPTION HS
- B08 LOW VIDEO TRANSIENTS – SPECIFY VIDEO BANDWIDTH (2 – 20 GHz)
- B10 HIGHER ISOLATION VERSION (SPECIFY)

ENVIRONMENTAL RATINGS:
- TEMPERATURE: -40°C TO +85°C (OPERATING)
- HUMIDITY: MIL-STD–202F, METHOD 103B COND. B
- VIBRATION: MIL-STD–202F, METHOD 2040 COND. B
- ALTITUDE: MIL-STD–202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD–202F, METHOD 107D COND. A

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION.
If Environmental Testing is required, please contact Sales Department.

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

PRODUCT FEATURE
SWNND–2184–1DT

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XX ±0.020
XXX ±0.010
DESCRIPTION:
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DESCRIP TION:
INPUT VSWR

INPUT OFF VSWR

OUTPUT OFF VSWR

OUTPUT VSWR

ISOLATION

SWITCHING SPEED, DELAY ON

SWITCHING SPEED, DELAY OFF

VIDEO TRANSIENT