DESCRIPTION:
AMC MODEL SWN-2184-1DR/DT IS A SINGLE POLE SINGLE THROW, REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION, HIGH SPEED AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 0.5 GHz TO 18 GHz OPERATION.

SPECIFICATIONS:
- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 2.5dB, ABSORPTIVE: 3.5dB
- 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 @ 70 mA MAX., -5V @ 50 mA MAX. (REFLECTIVE), 100mA MAX. (ABSORPTIVE/NON-REFLECTIVE)

OPTIONS:
- B01: 12V POWER SUPPLIES
- B02: 18V POWER SUPPLIES
- B03: REVERSE LOGIC "1"=ON "0"=OFF
- B04: DRIVERLESS, CURRENT CONTROLLED
- B05: HIGH SPEED, TURNON/TURNOFF 20 nsec MAXIMUM WHEN APPLICABLE OR OPTION HS
- 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)

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

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

PRODUCT FEATURE
SWN-2184-1DR/DT
STANDARD ONE WAY

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
- X.X ±0.020
- X.XX ±0.010

NOTE: UNITS ARE DESIGNED TO MEET ENVIRONMENTAL RATINGS BUT NOT TESTED IF ENVIRONMENTAL TESTING IS REQUIRED, PLEASE CONTACT SALES DEPARTMENT.