SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 3.25db
  ABSORPTIVE: 4.0db
- ISOLATION: 0.5 GHz TO 18 GHz: 60db
- VSWR: REFLECTIVE IN/OUT: 2.0:1
  ABSORPTIVE IN/OUT: 2.0:1
  ABSORPTIVE OUT/OUT: 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 @ 250 mA MAX.
  -5V @ 75mA MAX.
- (REFLECTIVE) 100mA MAX.

OPTIONS:

DEC-SP 3 BIT DECODER WITH SOLDER PIN
B01 -12V POWER SUPPLIES
B02 -15V POWER SUPPLIES
B03 REVERSE LOGIC "1"=ON "0"=OFF
B04 DRIVERLESS, CURRENT CONTROLLED
B05 HIGH SPEED, TURNON/TURNOFF 25 nsec MAXIMUM
  WHEN APPLICABLE
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)
- -85°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 CYCLES: MIL-STD-202F, METHOD 107D COND. A

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

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

NOTE:
DR=WITH DRIVER, REFLECTIVE
DT=WITH DRIVER, NON-REFLECTIVE/ABSORBPTIVE

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

OUTLINE DRAWING
SWN-1140-5DR/DT-STANDARD
REFLECTIVE OR NON-REFLECTIVE/ABSORBPTIVE
RADIAL SOLID STATE SWITCH

CONTRACT NO.
APPROVALS
DRAWN
CHECKED
ISSUED
SIZE
FSC NO.
DRAW NO.
REV.
SCALE
SHEET

A 60483
100-4168-1
B
N/S
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