SPECIFICATIONS:
- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE 3.0dB
- 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 @ 200 mA MAX.
  −5V @ 75mA MAX.(REFLECTIVE)
  100mA MAX.(REFLECTIVE/NON-REFLECTIVE)

OPTIONS:
- DEC–SP: 2 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
- 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)
- PM: PASE MATCH (±5° PORT TO PORT)

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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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FREDERICK, MARYLAND
OUTLINE DRAWING
SWN–1140–4DR/DT–STANDARD
REFLECTIVE OR NON–REFLECTIVE/ABSORPTIVE
RADIAL SOLID STATE SWITCH

CONTRACT NO. 
APPROVALS
DRAWN
CHECKED
ISSUED
SCALE A

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* Units are designed to meet Environmental ratings but not tested. If
  Environmental Testing is required, please contact Sales Department.

DECLARATION OF CONFORMITY

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