DESCRIPTION:
AMC MODEL MSN–10DR/DT–05–STANDARD IS A SINGLE POLE TEN THROW, REFLECTIVE OR ABSORPTIVE/NON–REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION AND INTEGRAL TTL DRIVER, DESIGNED FOR 500 MHZ TO 18 GHz FREQUENCY RANGE.

SPECIFICATIONS:
- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 4.5db
  ABSORPTIVE: 5.0db
- 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 MAXIMUM
  FALL: 15ns MAXIMUM
  DELAY ON: 100ns MAXIMUM
  DELAY OFF: 100ns 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 @ 500 mA MAXIMUM
  -3V @ 75 mA MAXIMUM (REFLECTIVE)
  100 mA MAXIMUM (ABSORPTIVE/NON–REFLECTIVE)
- SIZE: 5.00" x 1.50" x 0.40"

OPTIONS:
- DEC–MP: 4 BIT DECORDER WITH MULTIPOINT
- DEC–SP: 4 BIT DECORDER WITH SOLDER POINT
- MP–IND: INDEPENDENT CONTROL WITH MULTIPOINT
- B01: -12V POWER SUPPLY
- B02: -15V POWER SUPPLIES
- B03: REVERSE LOGIC "1"=ON, "0"=OFF
- B04: DRIVERLESS, CURRENT CONTROLLED
- B05: HIGH SPEED, TURNON/TURNOFF 20 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)

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: SPECIFICATIONS WILL VARY DIVER SEPARATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

NOTES:
- DR=WITH DRIVER, REFLECTIVE
- DT=WITH DRIVER, NON–REFLECTIVE/ABSORPTIVE

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

OUTLINE DRAWING
MSN–10DR/DT–05–STANDARD
REFLECTIVE OR NON–REFLECTIVE/ABSORPTIVE
SOLID STATE SWITCH

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
XX: ±0.020
XXX: ±0.010