DESCRIPTION:
AMC MODEL MSN-3DR/DT-05-STANDARD IS A SINGLE POLE THREE THROW SWITCH WITH INDEPENDENT CONTROL WITH SOLDER PIN STANDARD HAVING A FREQUENCY RANGE OF 0.5 TO 18 GHz, AN INSERTION LOSS OF 2.75 dB (REFLECTIVE), 3.75 db (ABSORPTIVE), AND ISOLATION OF 60 db.

SPECIFICATIONS:
- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: REFLECTIVE: 2.75db
  ABSORPTIVE: 3.75db
- ISOLATION: 0.5 GHz TO 18 GHz: 60db
- VSWR: REFLECTIVE IN/OUT: 2.0:1
  ABSORPTIVE IN/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 @ 150 mA MAX.
  –5V @ 75mA MAX. (REFLECTIVE)
  100mA MAX. (ABSORPTIVE/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)

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 1070 COND. A

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

PRODUCT FEATURE
MSN-3DR/DT-05-STANDARD
REFLECTIVE OR NON-REFLECTIVE/ABSORPTIVE
SOLID STATE SWITCH

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

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