AMC MODEL MSN-12DR/DT-05-STANDARD IS A SINGLE POLE TWELVE THROW, REFLECTIVE OR ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE DESIGNED TO OPERATE OVER THE FULL 0.5 TO 18 GHz FREQUENCY RANGE.

**SPECIFICATIONS:**
- **FREQUENCY:** 0.5 GHz TO 18 GHz
- **INSERTION LOSS:** REFLECTIVE: 5.0 dB MAXIMUM
- **ISOLATION:** REFLECTIVE: 0.5 GHz TO 18 GHz: 60 dB MINIMUM
- **VSWR:** ABSORPTIVE: 5.5 dB MAXIMUM
- **SPEED:** REFLECTIVE IN/OUT: 2.0:1
- **RISE:** ABSORPTIVE IN/OUT: 2.0:1
- **FALL:** ABSORPTIVE OUT/OFF: 2.0:1
- **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, +6.0 mA MAX.
- **-5V** 150 mA MAX (REFLECTIVE)
- **200 mA MAX.** (ABSORPTIVE/ NON-REFLECTIVE)

**OPTIONS:**
- **DEC-MP** - 4 BIT DECODER WITH MULTIPIN
- **DEC-SP** - 4 BIT DECODER WITH SOLDER PIN
- **MP-IND** - INDEPENDENT CONTROL WITH MULTIPIN
- **B01** - 12V POWER SUPPLIES
- **B02** - 15V POWER SUPPLIES
- **B03** - REVERSE LOGIC "1"=ON, "0"=OFF
- **B05** - HIGH SPEED, TURNON/TURNOFF 25 nsec MAXIMUM
- **B06** - HIGH POWER - SPECIFY CW, PEAK POWER, PEAK POWER, PULSE WIDTH, DUTY CYCLE, RF FREQUENCY AND BANDWIDTH
- **B08** - LOW VIDEO TRANSIENTS - SPECIFY VIDEO BANDWIDTH (2-18 GHz)
- **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 204F COND. B
- **ALTITUDE:** MIL-STD-202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** MIL-STD-202F, METHOD 107D COND. A

**ALL DIMENSIONS ARE IN INCHES**

**TOLERANCES:**
- X.XX ± 0.020
- X.XXX ± 0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION. Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.