**DESCRIPTION**

This standard AMC model MSNK-4DT/DR-05 is a single pole four throw, reflective (DR) or absorptive (DT) high-speed solid-state switch has the capability to operate between 500 MHz to 40 GHz. Customize for fit and function, select from standard options listed below or contact us for other personalized options.

**SPECIFICATIONS:**

- **Frequency:** 0.5 – 40 GHz
- **Insertion Loss:** 8 dB maximum
- **Isolation:** 60 dB minimum
- **VSWR:** 2.2:1 maximum
- **Speed:** Delay on: 100 ns maximum
  Delay off: 100 ns maximum
- **Power Input:** (CW)+20 dBm maximum
- **Control:** See Logic Table
- **Power Supply:** +5V @ 200 mA maximum
  -5V @ 100mA maximum

**OPTIONS:**

- **50M40:** 500 MHz – 40 GHz frequency range
- **100M40:** 1000 MHz – 40 GHz frequency range
- **140:** 1.4 GHz – 40 GHz frequency range
- **240:** 2.4 GHz – 40 GHz frequency range
- **1840:** 1.8-4 GHz frequency range
- **B01:** +12V power supply
- **B02:** -15V power supply
- **B08:** Low video transients (specify video bandwidth)
- **B10:** High isolation (specify)
- **IND:** Independent control; "0" = on & "1" = off
- **DEC:** Decoder
- **SP:** Solder pin
- **MP:** Multi pin

**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 2040 Cond. B
- **Altitude:** MIL-STD-202F, Method 105C Cond. B
- **Temperature Cycle:** MIL-STD-202F, Method 107D Cond. A

Note: Specifications will vary over operating temperature.

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