

**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 500MHZ TO 40GHZ. CUSTOMIZE FOR FIT AND FUNCTION, SELECT FROM STANDARD OPTIONS LISTED BELOW OR CONTACT US FOR OTHER PERSONALIZED OPTIONS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	SEE ER# 023-18	6/4/18	RRR

**SPECIFICATIONS:**

- FREQUENCY: ..... 0.5 – 40GHz
- INSERTION LOSS: ..... 8dB MAXIMUM
- ISOLATION: ..... 60dB MINIMUM
- VSWR: ..... 2.2:1 MAXIMUM
- SPEED: ..... DELAY ON: 100ns MAXIMUM  
..... DELAY OFF: 100ns MAXIMUM
- POWER INPUT: ..... (CW)+20dBm MAXIMUM
- CONTROL: ..... SEE LOGIC TABLE
- POWER SUPPLY: ..... +5V @ 200 mA MAXIMUM  
..... -5V @ 100 mA MAXIMUM

**OPTIONS:**

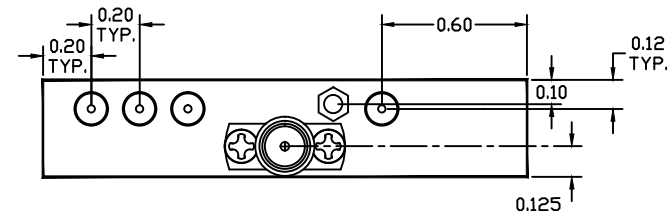
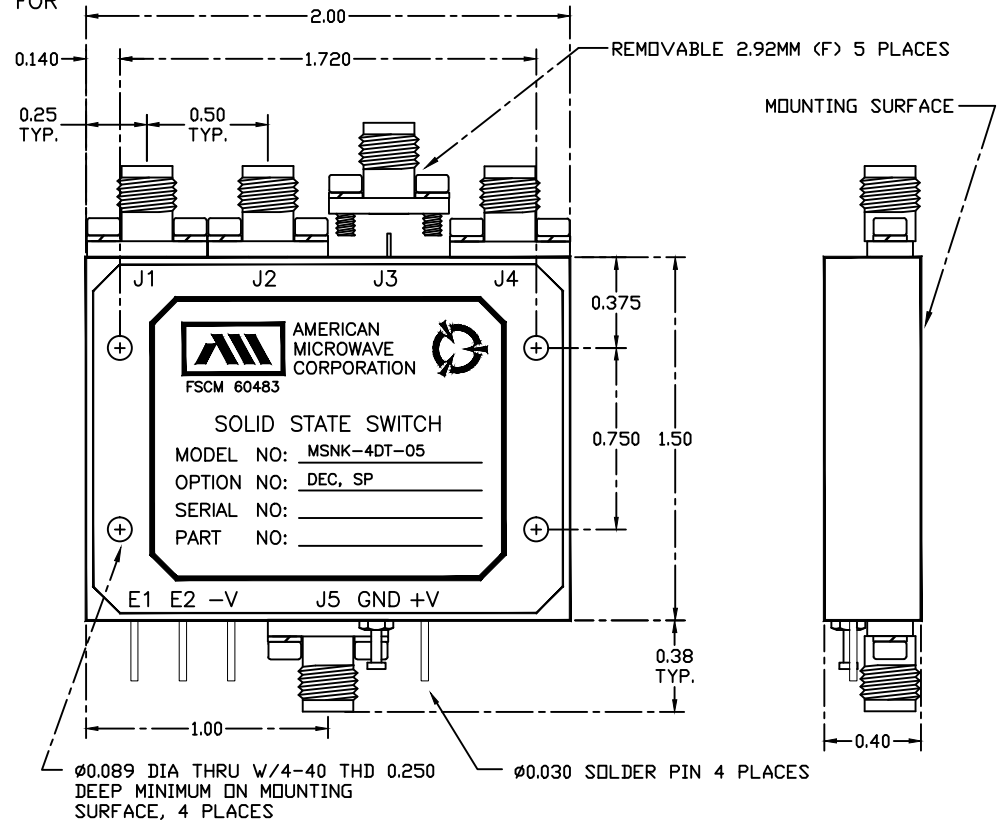
- 50M40 ..... 50MHz – 40GHz FREQUENCY RANGE
- 100M40 ..... 100MHz – 40GHz FREQUENCY RANGE
- 140 ..... 1.0GHz – 40GHz FREQUENCY RANGE
- 240 ..... 2.0GHz – 40GHz FREQUENCY RANGE
- 1840 ..... 18GHz – 40GHz FREQUENCY RANGE
- B01 ..... -12V POWER SUPPLY
- B02 ..... -15V POWER SUPPLY
- B08 ..... LOW VIDEO 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 204D 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  
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.



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

INPUTS			PORT	ON
E1	E2			
L	L		J1	
H	L		J2	
L	H		J3	
H	H		J4	

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN <i>RFW</i>	5/22/18	OUTLINE DRAWING MSNK-4DT-05 MSNK-4DR-05 (STANDARD)		
ENG <i>RRR</i>	5/22/18	SIZE	FSCM NO.	DWG NO.
QAE <i>RRR</i>	5/22/18	A	60483	100-8860
SCALE N/S		SHEET 1 of 1		REV. A