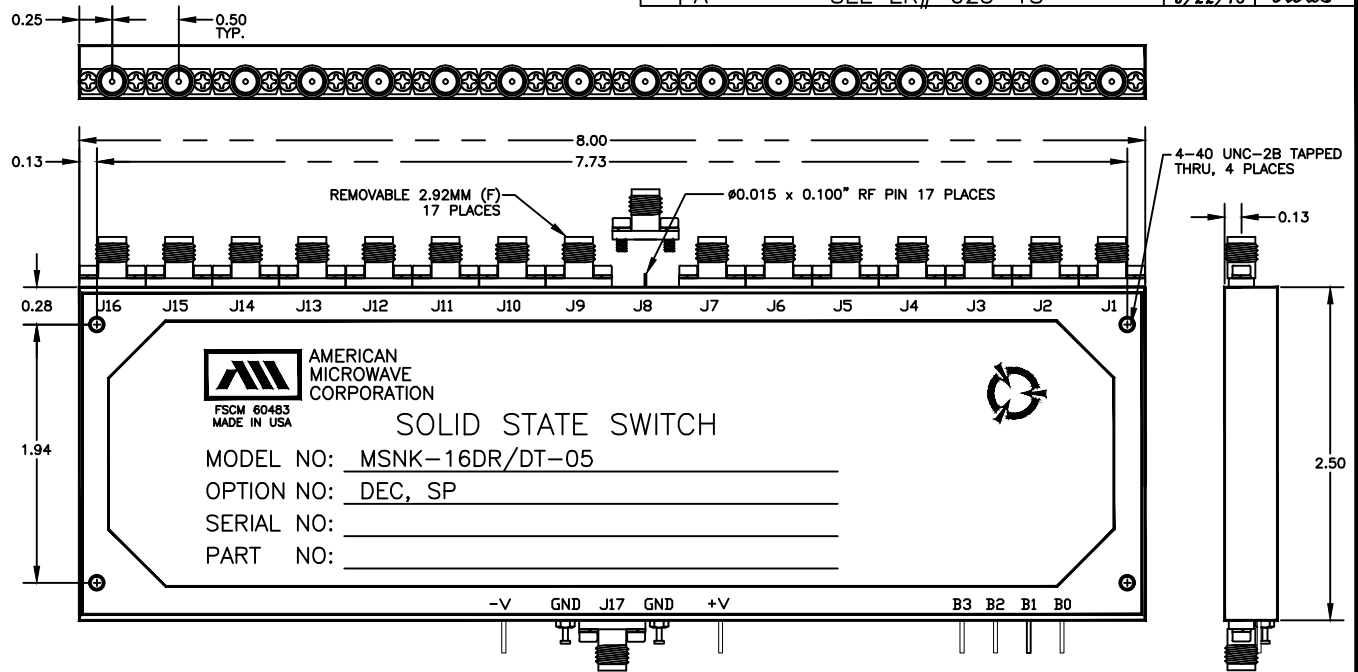


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A		SEE ER# 023-18	5/22/18	RRR

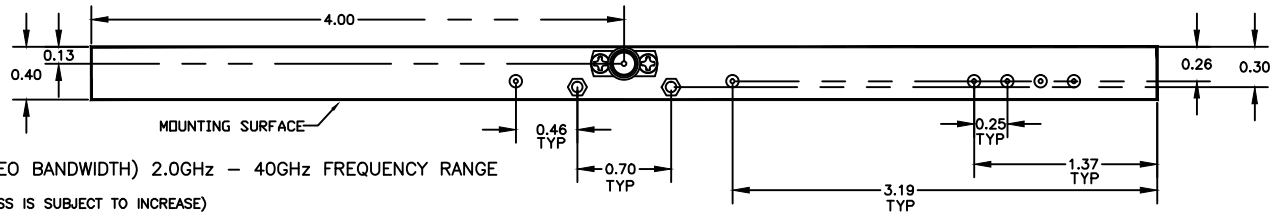
**SPECIFICATIONS:**

- FREQUENCY: . . . . . 0.5 GHz TO 40 GHz
- INSERTION LOSS: . . . . . 14dB MAXIMUM
- ISOLATION: . . . . . 60 dB MINIMUM
- VSWR: . . . . . 2.2:1 MAXIMUM
- SPEED: . . . . . DELAY ON: 100ns MAX.  
DELAY OFF: 100ns MAX.
- POWER INPUT: . . . . . (CW)+20dBm
- CONTROL: . . . . . SEE LOGIC TABLE
- POWER SUPPLY: . . . . . +5V @ 800 mA MAX.  
-5V @ 200mA MAX.



**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) 2.0GHz - 40GHz FREQUENCY RANGE
- B10 . . . . . HIGH ISOLATION (SPECIFY) (INSERTION LOSS IS SUBJECT TO INCREASE)
- IND . . . . . INDEPENDENT CONTROL; "0"= ON & "1"= OFF
- DEC . . . . . DECODER
- SP . . . . . SOLDER PIN
- MP . . . . . MULTI PIN



LOGIC TABLE				
B3	B2	B1	B0	THRU PATH
0	0	0	0	J17 TO J1
0	0	0	1	J17 TO J2
0	0	1	0	J17 TO J3
0	0	1	1	J17 TO J4
0	1	0	0	J17 TO J5
0	1	0	1	J17 TO J6
0	1	1	0	J17 TO J7
0	1	1	1	J17 TO J8
1	0	0	0	J17 TO J9
1	0	0	1	J17 TO J10
1	0	1	0	J17 TO J11
1	0	1	1	J17 TO J12
1	1	0	0	J17 TO J13
1	1	0	1	J17 TO J14
1	1	1	0	J17 TO J15
1	1	1	1	J17 TO J16

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

**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: 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.

PART NO.		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND		
APPROVALS	DATE	TITLE		
DRAWN	5/22/18	PRODUCT FEATURE MSNK-16DR-05 MSNK-16DT-05 (STANDARD)		
ENG.	5/22/18	SIZE	FSCM NO.	DWG NO.
QAE	5/22/18	A	60483	100-8861
		SCALE	N/S	SHEET 1 of 1