

## DESCRIPTION

AMC MODEL SWCH1K-DC40-SK IS A TERMINATED SPST SWITCH WITH A FREQUENCY RANGE OF DC TO 40 GHz.

## FEATURES

- HIGH FREQUENCY
- WIDE BANDWIDTH
- FAST RISE TIMES
- MINIATURE SIZE
- LOW POWER

## SPECIFICATIONS

- FREQUENCY RANGE: DC TO 40 GHz
- INSERTION LOSS: 6.8dB MAXIMUM
- ISOLATION: 55dB MINIMUM
- VSWR: 2.2:1 MAXIMUM
- RISE/FALL TIME \*: 1ns MAXIMUM
- SWITCHING TIME \*: 6ns MAXIMUM
- CONTROL: TTL "1"=ON (STANDARD)
- RF POWER: 17dBm MAXIMUM
- DC on RF INPUT: ±0.5V MAXIMUM
- CONNECTORS
  - RF IN/OUT: K Connector 2.92mm
  - CONTROL: SMC
  - POWER: SOLDER PINS
- DC POWER
  - +V: +8V TO +15V @ 15mA MAXIMUM
  - V: -8V TO -15V @ 40mA MAXIMUM
- SIZE: 1.20" x 1.30" x 0.50"

## AVAILABLE OPTIONS:

- 1840: 18 - 40GHz FREQUENCY RANGE
- 3025F: 3.25GHz FIXED (WITH 4ns RISE/FALL TIME)

## ENVIRONMENTAL RATINGS

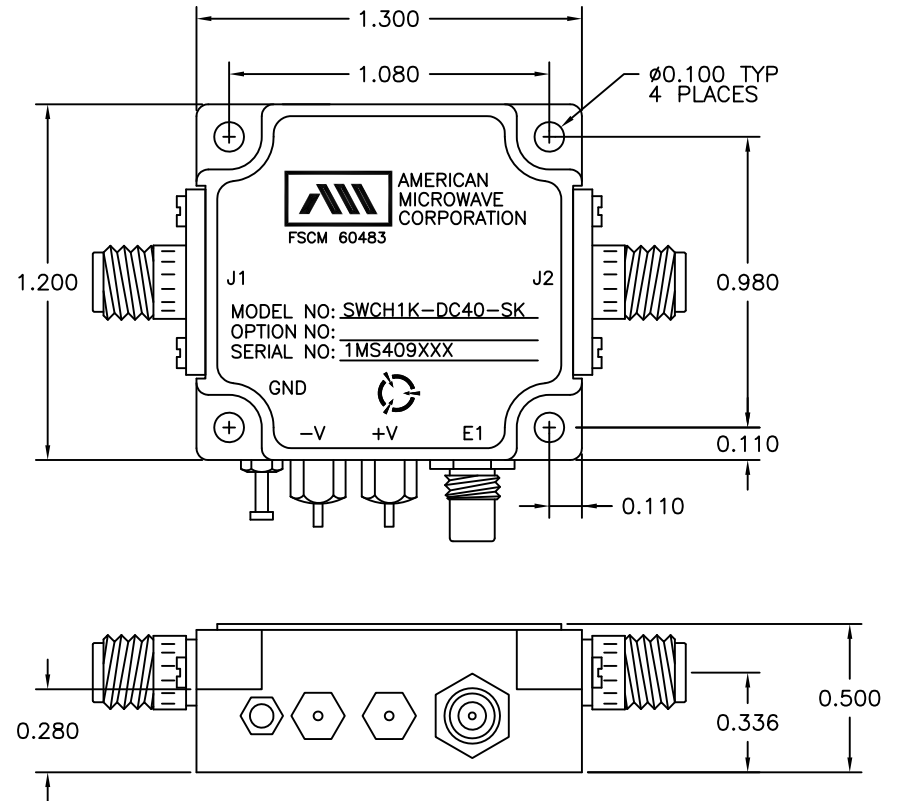
- **TEMPERATURE:** -40°C TO +85°C (OPERATING)  
-55°C TO +125°C (STORAGE)
- **HUMIDITY:** MIL-STD-202F, METHOD 103B COND. B
- **SHOCK:** MIL-STD-202F, METHOD 213B COND. B
- **VIBRATION:** MIL-STD-202F, METHOD 204D COND. B
- **ALTITUDE:** MIL-STD-202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** MIL-STD-202F, 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 409222-1N	11/08/04	JK
	A	SEE ECR# 09-025	6/8/09	



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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN JK		11/08/04	PRODUCT FEATURE SWCH1K-DC40-SK			
CHECKED			DC - 40 GHz, NON-REFLECTIVE SPST SWITCH			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	60483	100-7160	A
			SCALE	SHEET		
			N:S	1 OF 3		