

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"

ENVIRONMENTAL RATINGS

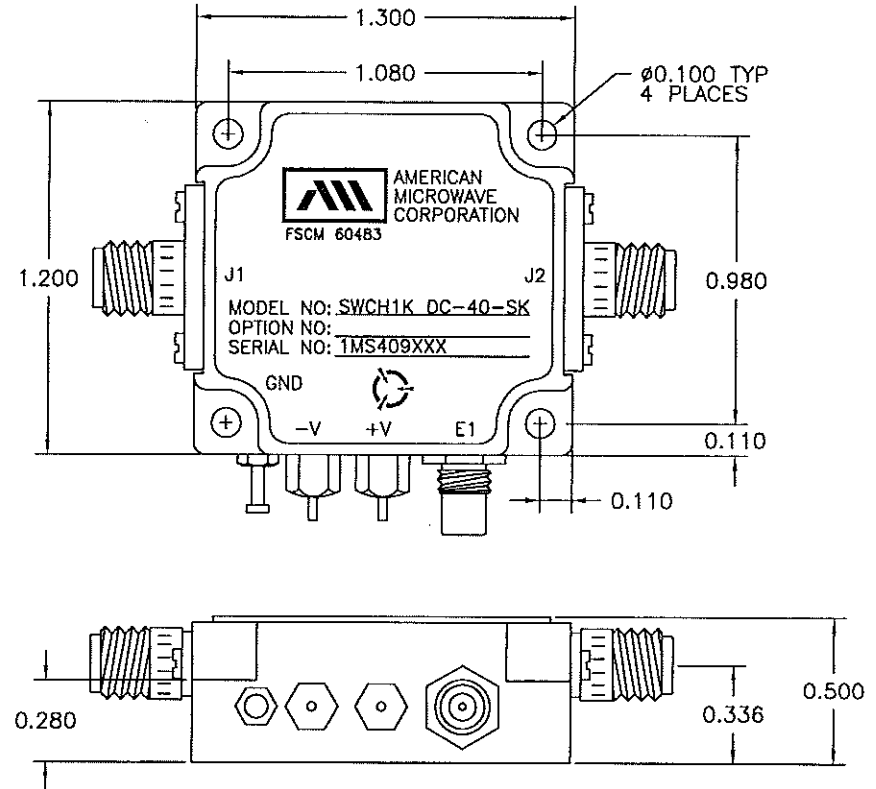
- TEMPERATURE:.....-40°C TO +85°C (OPERATING)
 -55°C TO +125°C (STORAGE)
- HUMIDITY:.....MIL-STD-202F, METHOD 103B COND. B
- SHOCK:.....MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:.....MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:.....MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:.....MIL-STD-202F, 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	<i>SJC</i>
	A	SEE ECR# 09-025	6/3/09	<i>LA</i>



AMERICAN MICROWAVE CORPORATION

7311-G GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-4700 FAX: 301-662-4938
 WEBSITE: www.americanmicrowavecorp.com
 E-MAIL: sales@americanmicrowavecorp.com
 ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	<i>SJC</i>	11/08/04	PRODUCT FEATURE SWCH1K-DC40-SK		
CHECKED	<i>LA</i>	6/10/09	DC - 40 GHz, NON-REFLECTIVE SPST SWITCH		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	60483	100-7160
			SCALE	N:S	SHEET 1 OF 3
					REV. A