

DESCRIPTION

AMC MODEL SWN-AGRA-1DR-ECL-GAKO-LVT IS A REFLECTIVE, LOW LOSS, LOW VIDEO TRANSIENT, ULTRA HIGH SPEED ECL LOGIC SINGLE POLE SINGLE THROW SWITCH DESIGNED TO OPERATE OVER THE FULL 2 TO 18 GHz FREQUENCY RANGE.

SPECIFICATIONS

- FREQUENCY RANGE: 2 TO 18 GHz
- INSERTION LOSS: 2.5 dB MAXIMUM
- ISOLATION: 70 dB MINIMUM
- VSWR: 2.0:1
- RISE TIME: 2 nSec MAXIMUM
- FALL TIME: 2 nSec MAXIMUM
- DELAY ON: 18 nSec MAXIMUM
- DELAY OFF: 18 nSec MAXIMUM
- VIDEO TRANSIENTS: 15 mV P-P @ 20 MHz BANDWIDTH
350 mV P-P @ 300 MHz BANDWIDTH
- POWER INPUT: (CW)+20 dBm (STANDARD),
+10 dBm (HIGH SPEED)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 uSec
- CONTROL: ECL COMPATIBLE
- POWER SUPPLY: +5V @ 80 mA MAXIMUM
-5V @ 80 mA MAXIMUM
- CONNECTORS:
RF: SMA FEMALE
CONTROL: SOLDER PIN
- SIZE: 1.00" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT: 1.5 OUNCE TYPICAL

LOGIC TABLE

+C	-C	J1, J2
-0.7	-1.7	ON
-1.7	-0.7	OFF

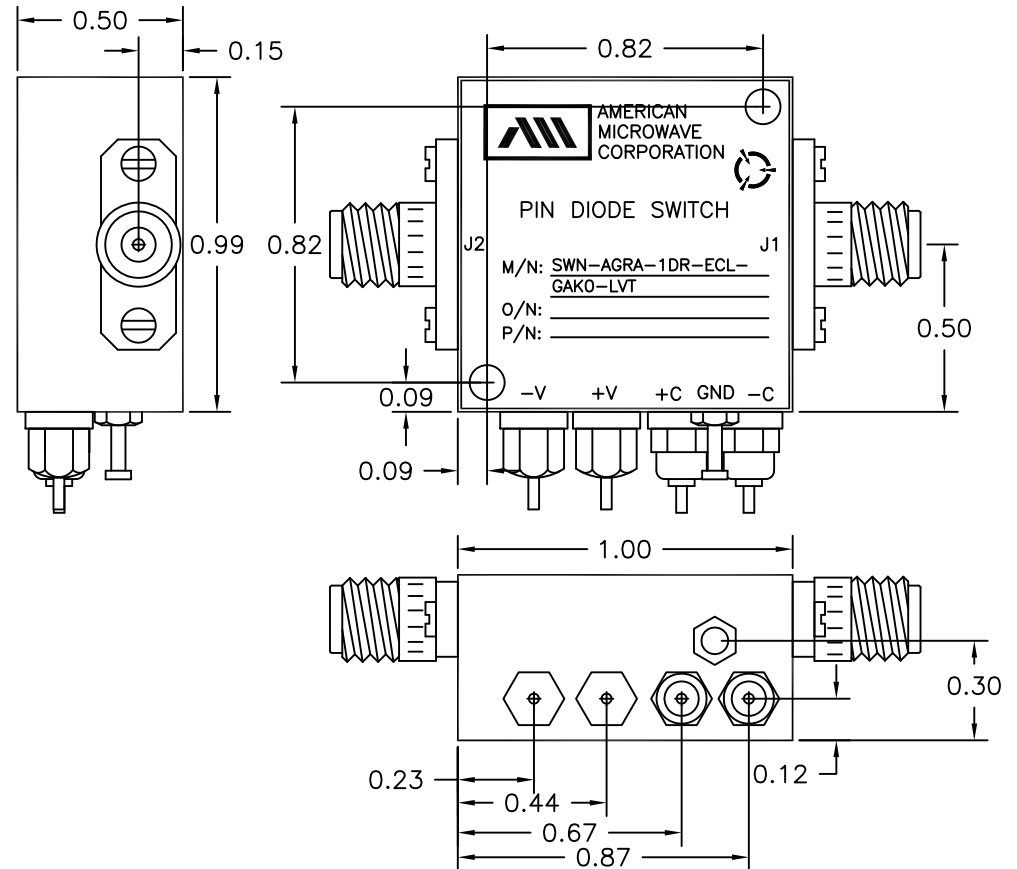
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 511264XN	1/5/06	



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>JDJ</i>		1/5/06	PRODUCT FEATURE		
CHECKED			SWN-AGRA-1DR-ECL-GAKO-LVT		
ISSUED			2-18 GHz, SINGLE POLE SINGLE THROW SWITCH		
SIZE	FSCM NO.	DWG NO.	REV.		
A	60483	100-7577	-		
SCALE N:S			SHEET 1 OF 4		