

DESCRIPTION

AMC MODEL SWN-AGRA-1DR-TTL-GAK1-LVT IS A SINGLE POLE SINGLE THROW, REFLECTIVE SWITCH MODULE WITH VERY LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR LOW VIDEO TRANSIENTS.

SPECIFICATIONS

- FREQUENCY RANGE: 1 TO 18 GHz
- INSERTION LOSS: 2.5 dB MAXIMUM
- ISOLATION: 1-2 GHz: 45 dB MINIMUM
2-18 GHz: 70 dB MINIMUM
- VSWR: 2.0:1
- RISE TIME: 5 nSec MAXIMUM
- FALL TIME: 5 nSec MAXIMUM
- DELAY ON: 15 nSec MAXIMUM
- DELAY OFF: 15 nSec MAXIMUM
- VIDEO TRANSIENT: 470 mV PEAK TO PEAK MAXIMUM
@ 100 MHz BANDWIDTH
- CONTROL: TTL LOGIC "0" = ON
TTL LOGIC "1" = OFF
- POWER SUPPLY: +5V @ 60 mA MAXIMUM
-5V @ 60 mA MAXIMUM
- CONNECTORS:
RF: SMA FEMALE
CONTROL: SOLDER PIN

AVAILABLE OPTIONS:

- B02: -15V POWER SUPPLIES
- 218: 2 - 18GHz FREQUENCY RANGE
- 500M18: 500MHz - 18GHz FREQUENCY RANGE
(VIDEO WILL BE 2V PEAK TO PEAK MAXIMUM
AT 100MHz BANDWIDTH)
- 8F: 7.5 - 8.5GHz FREQUENCY RANGE
- ISO90DB: 90dB ISOLATION

ENVIRONMENTAL RATINGS:

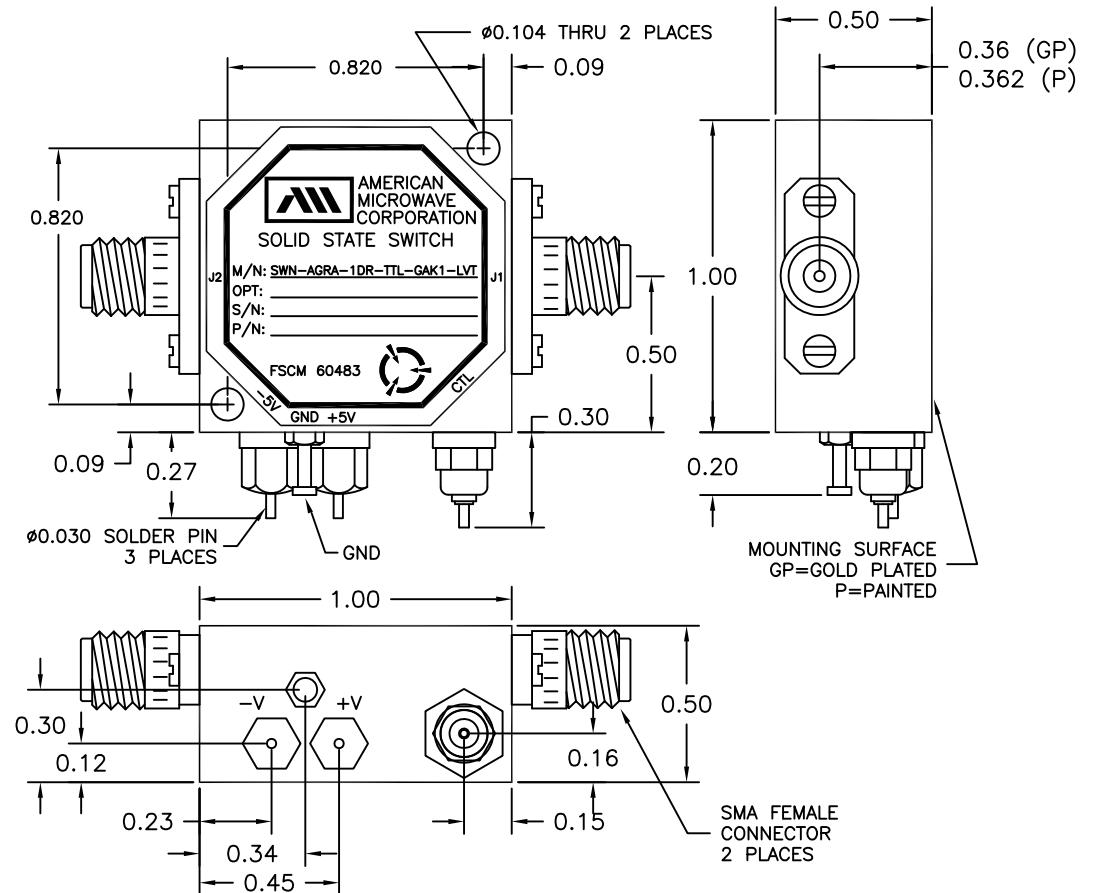
- TEMPERATURE: -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 311210-2	4/19/04	
	A	SEE ECN #05-057	9/9/05	



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APPROVALS		DATE	TITLE			
DRAWN <i>878</i>		4/19/04	PRODUCT FEATURE			
MODIFIED <i>JDJ</i>		9/9/05	SWN-AGRA-1DR-TTL-GAK1-LVT			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	60483	100-6959	A
			SCALE	N:S		SHEET
					1 OF 4	