

DESCRIPTION

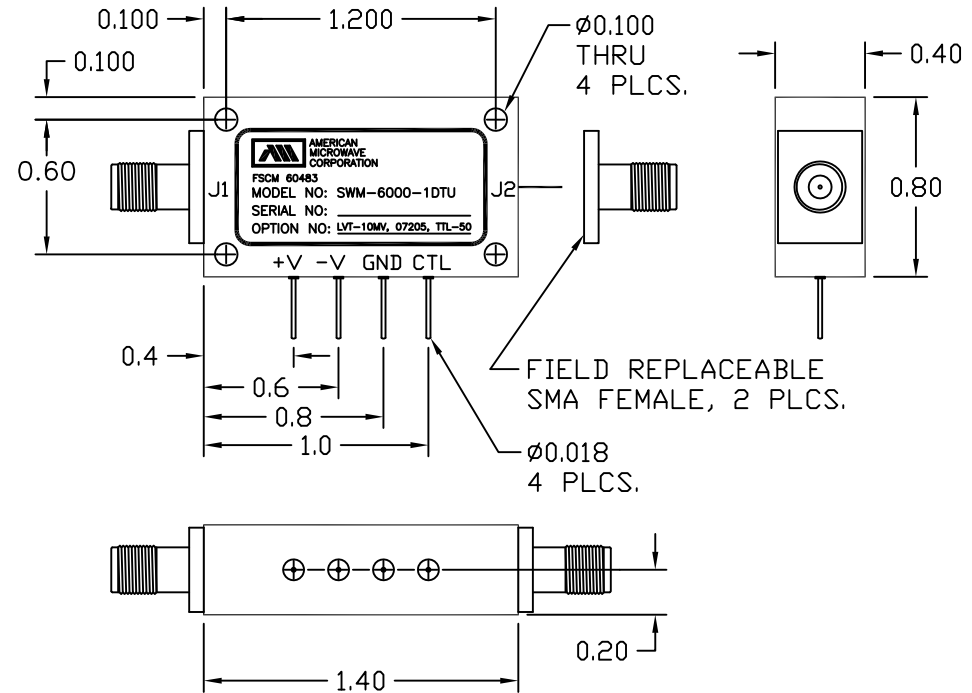
AMC MODEL NUMBER SWM-6000-1DTU OPTIONS LVT-10MV, 07205, TTL-50 IS A ABSORPTIVE GaAs MMIC SPST SWITCH/MODULATOR WITH INTEGRAL TTL DRIVER, DESIGNED TO MAINTAIN HIGH ISOLATION AND VERY FAST SWITCHING TIME, PACKAGED IN A SMALL RUGGED HOUSING, DESIGNED FOR THE 0.7 GHz TO 2.5 GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE, JOB# 003044E	11/11/09	
	A	SEE ECN# 11-039	3/24/11	Rd

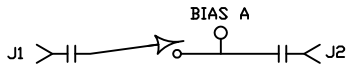
SPECIFICATIONS

- FREQUENCY RANGE 0.7 GHz TO 2.5 GHz
- INSERTION LOSS 3.0 dB MAXIMUM, 2.5 dB TYPICAL
- ISOLATION 65 dB MINIMUM, 70 dB TYPICAL
- VSWR (ON/OFF) 1.5:1 MAXIMUM
- SWITCHING TIME
 - RISE (10% RF TO 90% RF) 5 nS MAXIMUM
 - FALL (90% RF TO 10% RF) 5 nS MAXIMUM
 - ON (50% TTL TO 90% RF) 15 nS MAXIMUM
 - OFF (50% TTL TO 10% RF) 15 nS MAXIMUM
- RF POWER RATINGS
 - 0.7 GHz TO 2.5 GHz +22 dBm MAXIMUM
- CONTROL TTL COMPATIBLE, UNITY LOAD, LOGIC "0" ISOLATION LOGIC "1" INSERTION LOSS.
- VOLTAGE TRANSIENTS 10 mV P-P (20MHz BW)
- POWER SUPPLY +5VDC $\pm 5\%$ @ 40 mA MAXIMUM
-5VDC $\pm 5\%$ @ 40 mA MAXIMUM
- CONNECTORS
 - RF INPUT/OUTPUT FIELD REPLACEABLE SMA (FEMALE)
 - POWER SOLDER PIN
 - CONTROL SOLDER PIN
- SIZE 1.40" x 0.80" x 0.40"

MECHANICAL OUTLINE



BLOCK DIAGRAM




CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE -55°C TO +95°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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.010
X.XXX ± 0.005

APPROVALS		DATE	 AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND			
DRAWN		11/11/09	TITLE PRODUCT FEATURE SWM-6000-1DTU OPTION LVT-10MV, 07205, TTL-50			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	60483	100-6844	A
SCALE N:S			SHEET 1 of 1			