

DESCRIPTION

AMC MODEL SAB-2DR-20 OPTION: 100M2, LVT IS A SWITCHED BIT ATTENUATOR THAT OPERATES FROM 100 MHz TO 2 GHz AND HAS LOW VIDEO TRANSIENTS.

SPECIFICATIONS

- FREQUENCY RANGE: 100 MHz TO 2 GHz
- INSERTION LOSS (LOGIC f0'): 3.0 dB MAXIMUM, 2.8 dB TYPICAL
- STEP ATTENUATION (LOGIC f1'): 20 dB ±1.5 dB
- VSWR: 2.0:1 MAXIMUM
- RISE TIME: 10 nS MAXIMUM, 5 nS TYPICAL
- FALL TIME: 10 nS MAXIMUM, 5 nS TYPICAL
- DELAY ON: 50 nS MAXIMUM, 40 nS TYPICAL
- DELAY OFF: 50 nS MAXIMUM, 40 nS TYPICAL
- CONTROL: SINGLE CONTROL
- VIDEO TRANSIENTS: ≤400 mV PEAK TO PEAK, 300 MHz BANDWIDTH
 ≤40 mV PEAK TO PEAK, 20 MHz BANDWIDTH
- RF INPUT POWER: +20 dBm OPERATING, 1 WATT SURVIVAL
- DC POWER SUPPLY: +5 VDC @ +100 mA MAXIMUM
 -5 VDC @ -60 mA MAXIMUM
- SIZE: 1.30" (L) x 0.70" (W) x 0.40" (H)
- WEIGHT: ≤ 0.75 OZ.

OPTIONS:

- 100M2: OPTIMIZED FOR 100 MHz TO 2 GHz
- LVT: LOW VIDEO TRANSIENTS

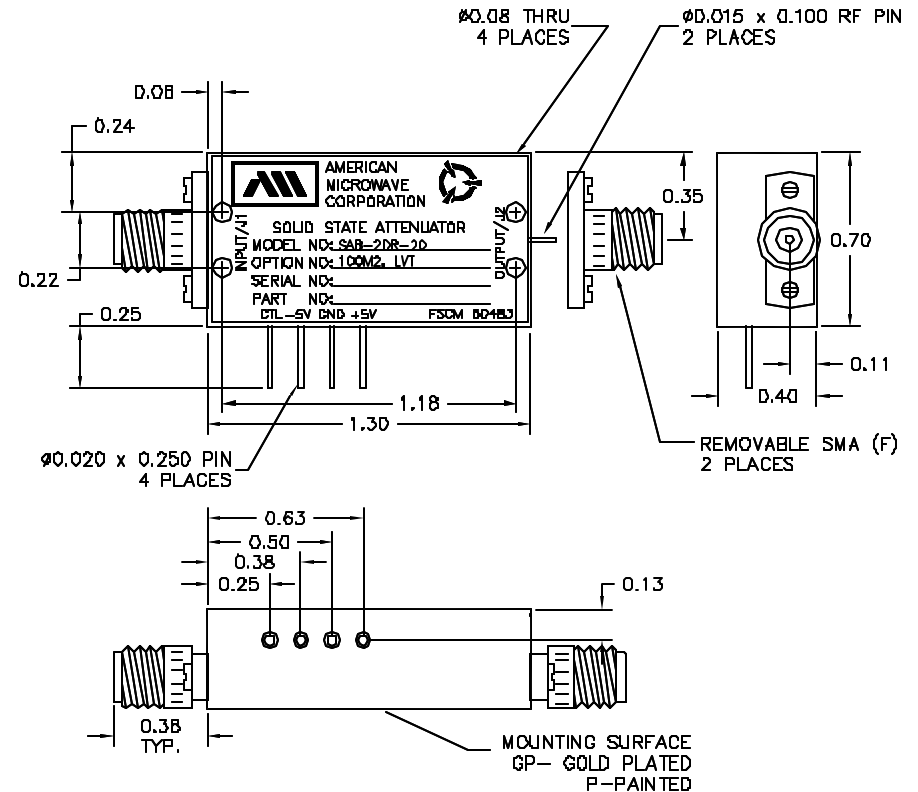
ENVIRONMENTAL RATINGS:

- 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:
 XXX ±0.020
 XXXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 602043PE-1	06/07/06	



AMERICAN MICROWAVE CORPORATION

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 ISO 9001:2000 CERTIFIED



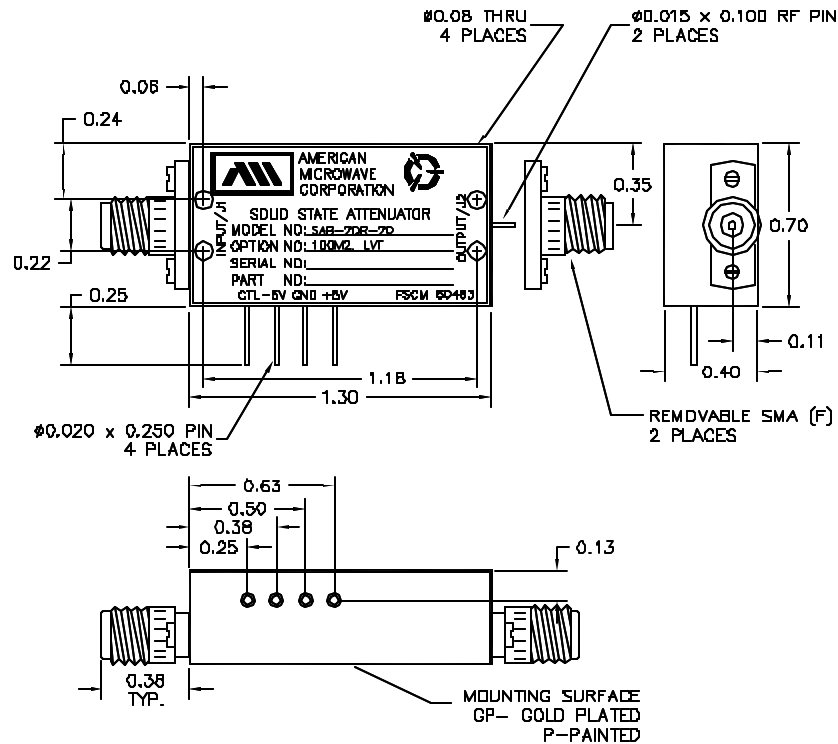
APPROVALS		DATE	TITLE			REV.
DRAWN		26/07/06	PRODUCT FEATURE SAB-2DR-20 OPTION: 100M2, LVT 100 MHz TO 2 GHz SWITCHED BIT ATTENUATOR			-
CHECKED			SIZE	FSCM NO.	DWG NO.	
ISSUED			A	60483	100-7677	
SCALE N:S			SHEET 1 OF 4			

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MECHANICAL OUTLINE



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

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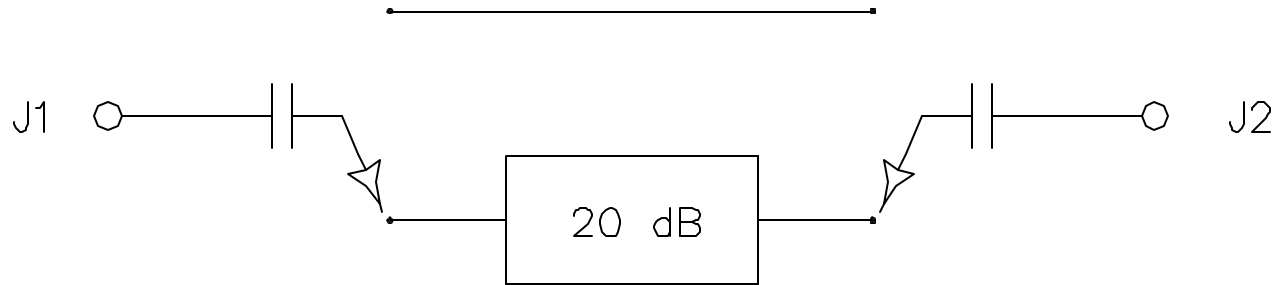
APPROVALS		DATE	TITLE		
DRAWN <i>WJL</i>		06/07/06	MECHANICAL OUTLINE SAB-2DR-20 OPTION: 100M2, LVT 100 MHZ TO 2 GHz SWITCHED BIT ATTENUATOR		
CHECKED			SIZE A	FSCM NO. 60483	DWG NO. 100-7677
ISSUED			SCALE N:S		SHEET 2 OF 4

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FUNCTIONAL BLOCK DIAGRAM



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APPROVALS		DATE	TITLE		
DRAWN		06/07/06	FUNCTIONAL BLOCK DIAGRAM		
CHECKED			SAB-2DR-20		
ISSUED			OPTION: 100M2, LVT		
			100 MHz TO 2 GHz SWITCHED BIT ATTENUATOR		
SIZE	FSCM NO.	DWG NO.	REV.		
A	60483	100-7677	-		
SCALE N:S			SHEET 3 OF 4		