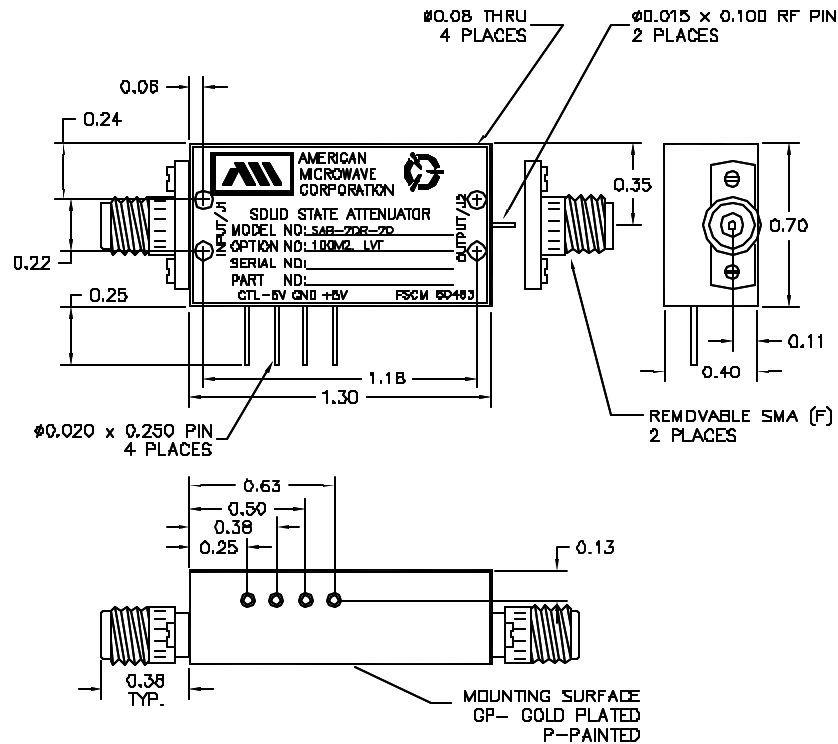


# DESCRIPTION

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.

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

# MECHANICAL OUTLINE



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

## AMERICAN MICROWAVE CORPORATION

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 ISO 9001:2000 CERTIFIED



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

## 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

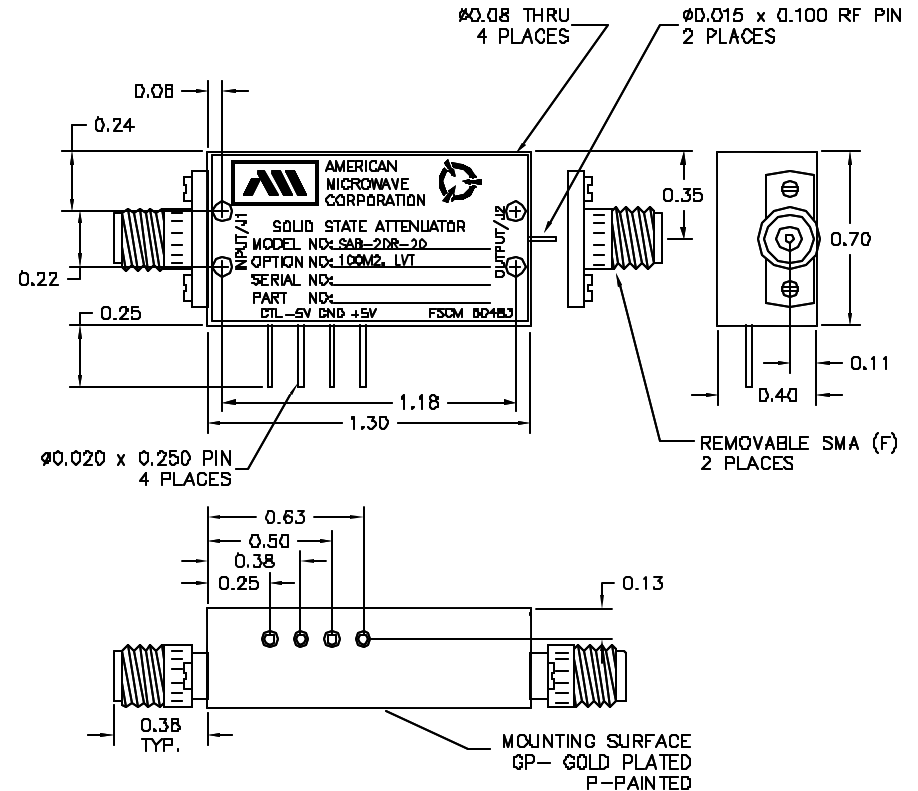
## ENVIRONMENTAL RATINGS:

- 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	



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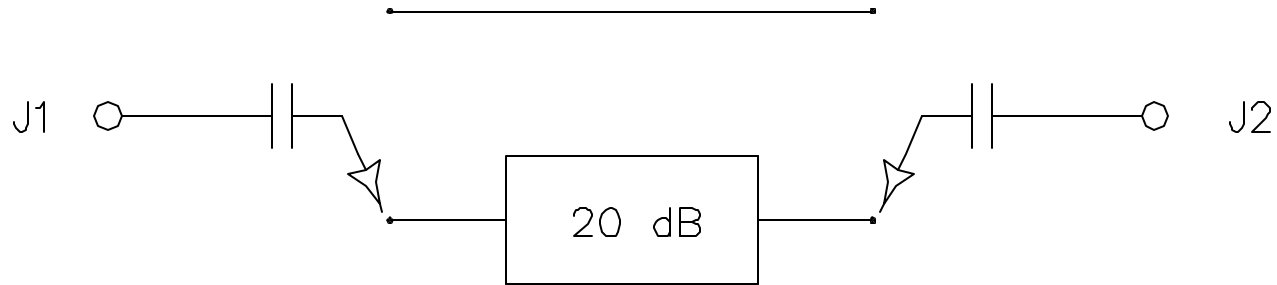
APPROVALS		DATE	TITLE		
DRAWN		26/07/06	PRODUCT FEATURE SAB-2DR-20 OPTION: 100M2, LVT 100 MHz TO 2 GHz SWITCHED BIT ATTENUATOR		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	60483	100-7677
SCALE N:S			SHEET 1 OF 4		

**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.

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

**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		
SIZE	FSCM NO.	DWG NO.	100 MHz TO 2 GHz SWITCHED BIT ATTENUATOR		
A	60483	100-7677	REV.	-	
SCALE N:S		SHEET		3 OF 4	