

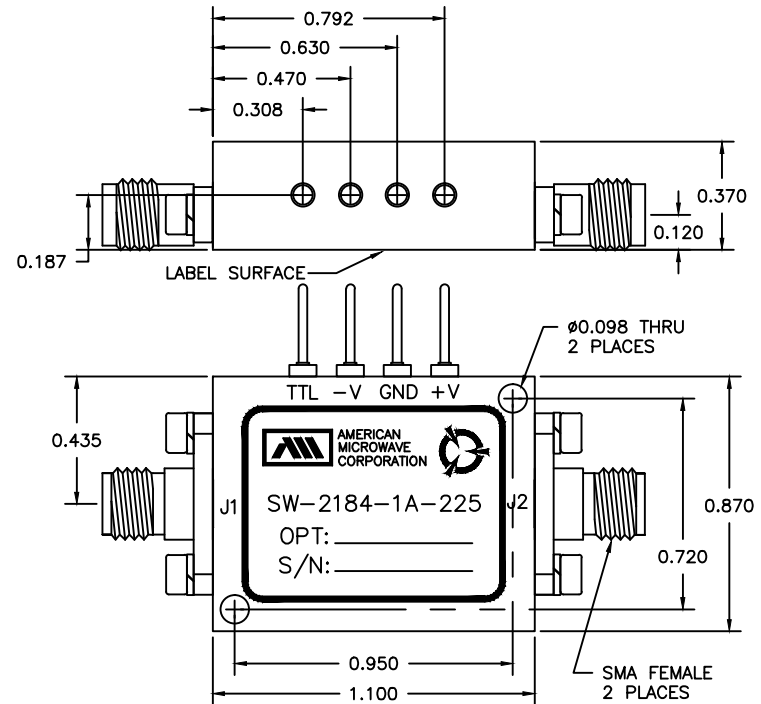
DESCRIPTION

AMC MODEL SW-2184-1A-225 IS A REFLECTIVE BROAD BAND PULSE MODULATOR/SWITCH WITH INTEGRAL TTL DRIVER, AND BUILT IN INPUT/OUTPUT VIDEO FILTER. DESIGNED FOR WIDE BAND, HIGH SPEED AND LOW DISTORTION RF-LINKED, DATA COMMUNICATIONS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE JOB# 208202	11/22/92	
	B	SEE ECN# 05-056	08/18/05	
	C	SEE ECN# 07-089	06/22/07	
	D	SEE ECN# 19-049	6/10/19	RRA

SPECIFICATIONS

- FREQUENCY RANGE:0.5 TO 18 GHz
- INSERTION LOSS:0.5-1 GHz, 1.2 dB MAXIMUM
1-2 GHz, 1.2 dB MAXIMUM
2-4 GHz, 1.5 dB MAXIMUM
4-8 GHz, 2.0 dB MAXIMUM
8-18 GHz, 2.8 dB MAXIMUM
- ISOLATION:0.5-1 GHz, 50 dB MINIMUM
1-2 GHz, 70 dB MINIMUM
2-8 GHz, 85 dB MINIMUM
8-18 GHz, 80 dB MINIMUM
- VSWR:0.5-4 GHz, 1.5:1 MAXIMUM
4-8 GHz, 1.8:1 MAXIMUM
8-18 GHz, 1.9:1 MAXIMUM
- RF POWER RATINGS:2W CW MAXIMUM, 10W PEAK (1 uSec, PW)
- SWITCHING TIME:
RISE (10% RF TO 90% RF):10 nSec MAXIMUM
FALL (90% RF TO 10% RF):10 nSec MAXIMUM
ON (50% TTL TO 90% RF):25 nSec MAXIMUM
OFF (50% TTL TO 10% RF):25 nSec MAXIMUM
- IN-BAND VIDEO TRANSIENTS:150 mV P-P ACROSS 50Ω IMPEDANCE
IN 20 MHz BANDWIDTH.
- CONTROL:TTL COMPATIBLE, UNITY LOAD
LOGIC "0" = ISOLATION
LOGIC "1" = INSERTION LOSS
- POWER SUPPLY:+5VDC ±5% @ 110 mA MAXIMUM
-12VDC ±5% @ 40 mA MAXIMUM
- CONNECTORS:
RF INPUT/OUTPUT:SMA (FEMALE)
POWER:SOLDER PIN
CONTROL:SOLDER PIN
- SIZE:1.10" x 0.87" x 0.37"



AVAILABLE OPTIONS:


- A01:50Ω CONTROL IMPEDANCE
- A02:100Ω CONTROL IMPEDANCE
- A03:INVERSE CONTROL LOGIC (LOGIC "0" = ISOLATION)
- A04:EXTENDED FREQUENCY TO 100 MHz
- A05:5 WATTS CW MAXIMUM
- A06:2 nSec RISE/FALL TIME
- A07:SINGLE ENDED ECL DRIVER (10 nSec ON/OFF TIME)
- A09:BALANCED ECL DRIVER (10 nSec ON/OFF TIME)
- A10:-15 VOLT POWER SUPPLY

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

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

		AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND			
		ISO 9001:2015 CERTIFIED		TITLE PRODUCT FEATURE SW-2184-1A-225	
APPROVALS WSP	DATE 11/22/92	0.5-18 GHz, REFLECTIVE SPST SWITCH/MODULATOR			
DRAWN WSP	ENG. RRA	SIZE A	FSCM NO. 60483	DWG NO. 100-2863-000	REV. D
QAEC RRA	DATE 5/30/19	SCALE N:S		SHEET 1 OF 1	