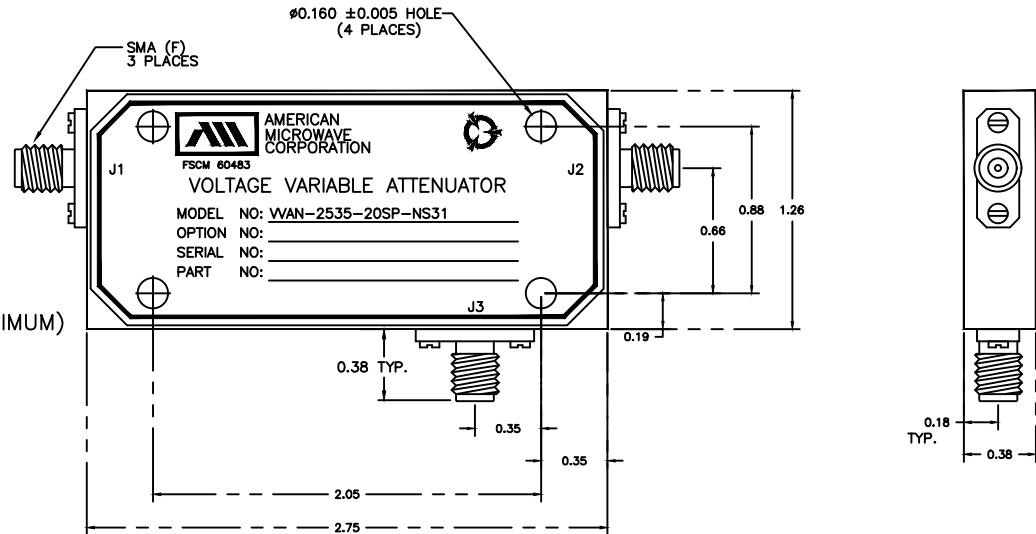


DESCRIPTION

AMC MODEL NUMBER VWAN-2535-20SP-NS31 IS A 2.5 - 3.5 GHz FREQUENCY RANGE, VOLTAGE VARIABLE ATTENUATOR HAVING AN INSERTION LOSS OF 1.25 dB MAXIMUM AND VSWR OF 1.5:1 MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 2.5 - 3.5 GHz
- INSERTION LOSS: 1.25 dB MAXIMUM
- ATTENUATION RANGE: 0 - 20 dB
- CONTROL VOLTAGE RANGE: 0V - 5 Vdc
- MAX. INPUT POWER: 10 dBm
- FLATNESS (2.5-3.1 GHz): ± 0.2 dB MAXIMUM ANY 40 MHz
- FLATNESS (3.1-3.5 GHz): ± 0.2 dB MAXIMUM ANY 40 MHz
- VSWR (@0V TO 5 Vdc): 1.5:1 MAXIMUM (in/out)
- SENSITIVITY: 3 dB/V (MINIMUM), 5 dB/V (MAXIMUM)
- LINEARITY: ± 1 dB MAXIMUM
- PULSE RISE TIME: 25 nSec MAXIMUM



ENVIRONMENTAL RATINGS

- **TEMPERATURE** 0°C TO +70°C (OPERATING)
-65°C TO +125°C (STORAGE)
- **HUMIDITY** MIL-STD-202F, METHOD 103B COND. B
- **SHOCK** a. @ 3" PEAK DISPLACEMENT:
b. @ 40 G's
c. @ 40 G's TO 12 G's (linear decline):
- **VIBRATION** STATIC LOAD OF 2.5G IN VERTICAL AND TRANSVERSE DIRECTIONS AND THE VIBRATION TEST OF TABLE II OF MIL-STD-167-1 OVER 4-33 Hz
- **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:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE JOB# 404069-2	5/24/04	

AMERICAN MICROWAVE CORPORATION

7311-G GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-4700 FAX: 301-662-4938
WEBSITE: www.americanmicrowavecorp.com
E-MAIL: sales@americanmicrowavecorp.com
ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN	<i>JDJ</i>	5/24/04	PRODUCT FEATURE VWAN-2535-20SP-NS31			-
REDRAWN	<i>JDJ</i>	8/17/04	SIZE	FSCM NO.	DWG NO.	
ISSUED			A	60483	100-6998	
			SCALE	N:S	SHEET	1 OF 3