



**AMERICAN MICROWAVE
CORPORATION**

1.0 TO 2.0 GHz, HIGH SPEED, 60 dB, VARIABLE PIN DIODE ATTENUATOR

- 60dB DYNAMIC RANGE
- LATCHING STROBE CAPABILITY
- 150 nS, SWITCHING SPEED (VVAN)
- 500 nS, MAXIMUM SWITCHING SPEED (DVAN)
- 5dB & 10dB/VOLT, VOLTAGE VARIABLE MODELS (VVAN)
- 8, 10, 11 & 12-BIT DIGITALLY VARIABLE MODELS (DVAN)
- REMOVABLE SMA RF CONNECTORS FOR SURFACE MOUNT CAPABILITY

AMC MODEL No: G-VVAN-1020-60-MP & G-DVAN-1020-60-8 SPECIFICATIONS:

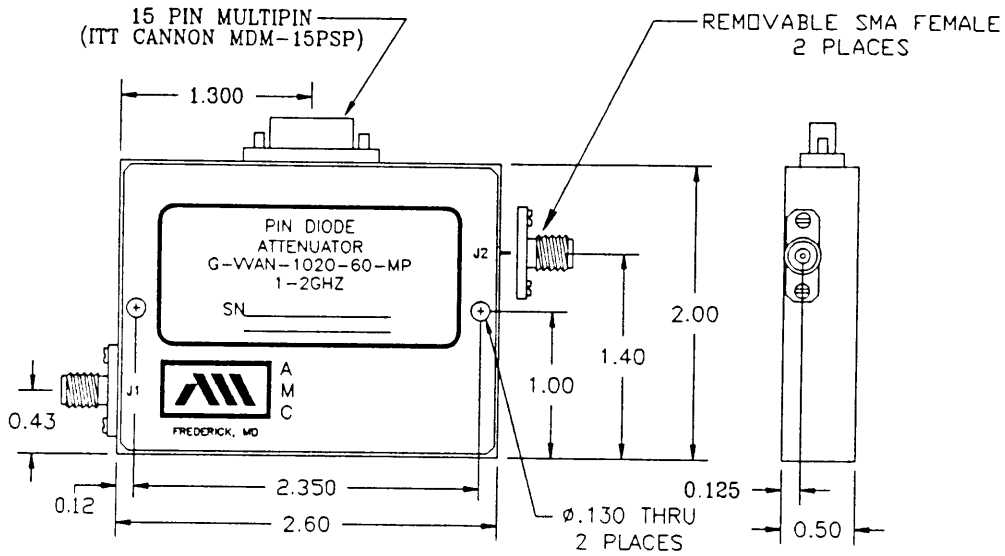
MODEL (G-DVAN/G-VVAN)	FREQUENCY RANGE(GHz)	INSERTION LOSS, MAX.	VSWR MAX.	FLATNESS @ 10dB	FLATNESS @ 20dB	FLATNESS @ 40dB	FLATNESS @ 60dB
1020	1.0 to 2.0 GHz	2.0 dB	2.0:1	± 0.45 dB	± 0.8 dB	± 1.5 dB	± 1.6 dB
1020E (Extended Range)	0.75 to 2.25 GHz	2.2 dB	2.2:1	± 0.65 dB	± 1.5 dB	± 3.0 dB	± 3.5 dB

- **DEVIATION FROM LINEARITY** : 0 TO 30 dB ± 0.5 dB
: 30 TO 50 dB ± 1.0 dB
: 50 TO 60 dB ± 1.5 dB
- **MONOTICITY** : GUARANTEED
- **SWITCHING SPEED** : 150 nS (G-VVAN), VOLTAGE VARIABLE MODELS
: 500 nS (G-DVAN), DIGITALLY VARIABLE MODELS
- **TEMPERATURE COEFFICIENT** : ± 0.025 dB/°C
- **RF POWER RATINGS** : + 20 dBm OPERATING, + 30 dBm SURVIVAL
- **CONTROL** : 10dB/VOLT(STANDARD) ANALOG TRANSFER FUNCTION (G-VVAN)
: (5dB/VOLT TRANSFER FUNCTION ALSO AVAILABLE)
: 8-BIT(STANDARD) POSITIVE TRUE BINARY (G-DVAN)
: (10-BIT, 11-BIT OR 12-BIT ALSO AVAILABLE)
- **DC POWER SUPPLY** : ± 12vdc(STANDARD) or ± 15vdc,
: @ +125 mA, -50 mA MAX.(VOLTAGE VARIABLE G-VVAN MODEL)
: @ +150 mA, -75 mA MAX.(8-BIT DIGITALLY VARIABLE G-DVAN MODEL)
- **CONNECTORS** : REMOVABLE SMA FEMALE (STANDARD) FOR RF
: 15 PIN MULTIPIN (STANDARD, OPTION "MP" ON G-VVAN) FOR POWER
AND CONTROL(SOLDER PIN CONTROLS, OPTION "SP" ON G-VVAN,
AND OTHER OPTIONS AVAILABLE)
- **SIZE** : 2.0" X 2.6" X 0.5"
- **WEIGHT** : < 4 oz.

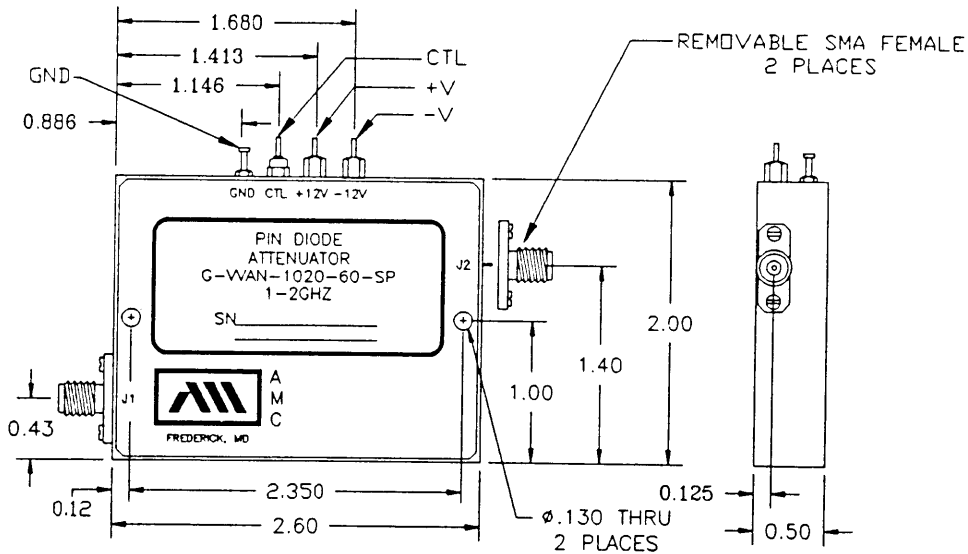
HIGH SPEED DIGITAL AND ANALOG ATTENUATORS AVAILABLE IN OTHER FREQUENCIES
AND MECHANICAL OUTLINES, CONTACT FACTORY FOR DETAILS.



G-VVAN-1020-60-MP
 VOLTAGE VARIABLE ATTENUATOR
 WITH MULTIPIN CONNECTOR
 (1.0 TO 2.0 GHz)



G-VVAN-1020-60-SP
 VOLTAGE VARIABLE ATTENUATOR
 WITH SOLDER PIN VOLTAGE AND CONTROL CONNECTORS
 (1.0 TO 2.0 GHz)



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

FEBRUARY 17, 1996

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