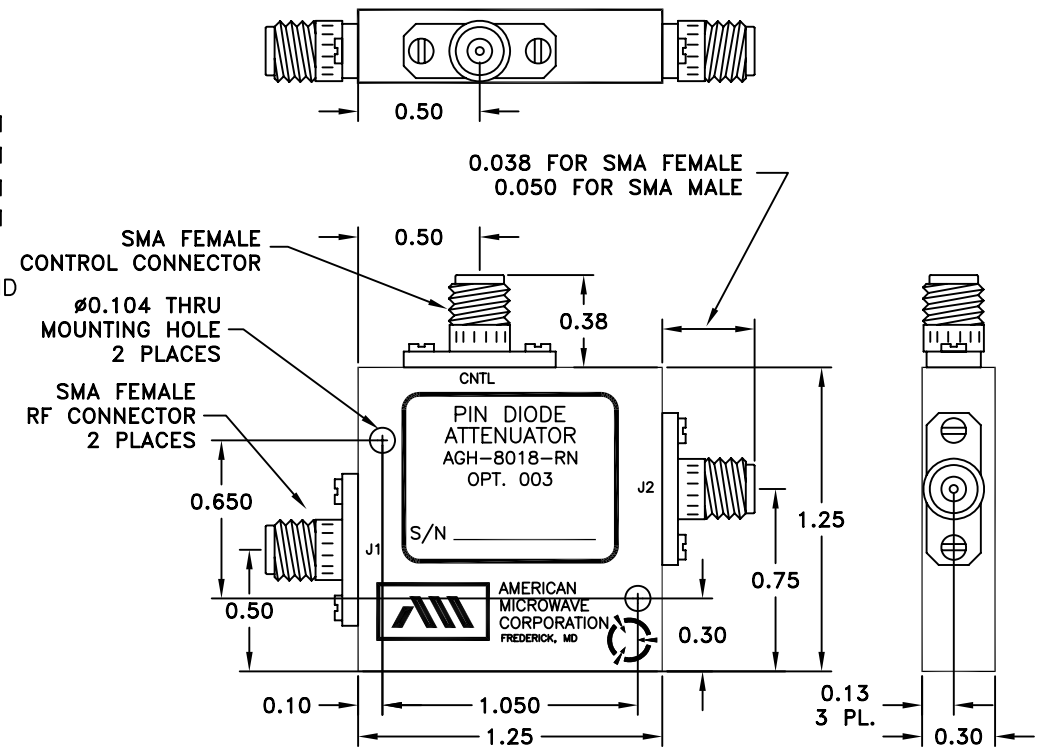
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL RELEASE JOB# 406136X	07/08/04	

DESCRIPTION

AMC MODEL AGH–8018–RN OPTION: 003 IS A 8.5 TO 11.0 GHz FREQUENCY RANGE, CURRENT CONTROLLED ATTENUATOR HAVING A MAXIMUM INSERTION LOSS OF 2.3 dB AND VSWR OF 1.8:1.

SPECIFICATIONS

- FREQUENCY RANGE ..... 8.5 TO 11.0 GHz
- INSERTION LOSS: ..... 2.3 dB MAXIMUM
- VSWR: ..... 1.8:1 MAXIMUM
- FLATNESS AT MID–BAND ATTENUATION: ..... @ 10 dB: ± 0.7 dB MAXIMUM
  @ 20 dB: ± 1.0 dB MAXIMUM
  @ 40 dB: ± 1.5 dB MAXIMUM
  @ 60 dB: ± 1.6 dB MAXIMUM
- PHASE SHIFT: ..... 100° WORST CASE, OVER OCTAVE FREQUENCY RANGE AND 60 dB ATTENUATION RANGE
- POWER HANDLING: ..... +20 dBm CW OR PEAK
- SWITCHING SPEED:
  HIGH TO LOW ATTENUATION: 90% TO 10%: ..... 20 nSec MINIMUM
  LOW TO HIGH ATTENUATION: 10% TO 90%: ..... 100 nSec MAXIMUM
- BIAS CURRENT: ..... 50 mA MAXIMUM
- MAXIMUM ATTENUATION: ..... 60 dB MINIMUM
- CHARACTERISTIC IMPEDANCE: ..... (INPUT/OUTPUT): 50Ω
- SPURIOUS REPONSE: ..... ≤–126 dBc
- SIZE: ..... ≤1.25"L x 1.25"W x 0.30"H
- FOR FURTHER SPECIFICATIONS, SEE CUSTOMER SCD# 6710160–2



ENVIRONMENTAL RATINGS

- **TEMPERATURE (OPERATING):** ..... 0°C TO +85°C (OPERATING)
- **TEMPERATURE (NON–OPERATING):** ..... –62°C TO +100°C (NON–OPERATING)
- **HUMIDITY (OPERATING):** ..... MIL–STD–202F, METHOD 106
- **ALTITUDE (OPERATING):** ..... 26.13 IN–Hg (12.8 PSIA) TO 31.35 IN–Hg (15.4 PSIA)
- **ALTITUDE (NON–OPERATING):** ..... RANGE SHALL BE SEA LEVEL TO 50,000 FEET
- **SALT ATMOSPHERE:** ..... MIL–STD–202F, METHOD 101
- **TEMPERATURE SHOCK (NON–OPERATING):** ..... MIL–STD–202F, METHOD 107 COND. A
- **SHOCK (OPERATING):** ..... MIL–STD–202F, METHOD 213
- **VIBRATION (OPERATING):** ..... MIL–STD–202F, METHOD 204 COND. A
- **FUNGUS (NON–OPERATING):** ..... MIL–STD–810, METHOD 508

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

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ISO 9001:2000 CERTIFIED

APPROVALS	DATE
DRAWN JDJ	7/8/04
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
AGH–8018–RN
OPTION: 003
8.5–11.0 GHz CURRENT CONTROLLED ATTENUATOR

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100–7037	–

SCALE N:S SHEET 1 OF 3