REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	–	ORIGINAL RELEASE, JOB# 004075E	11/12/09	

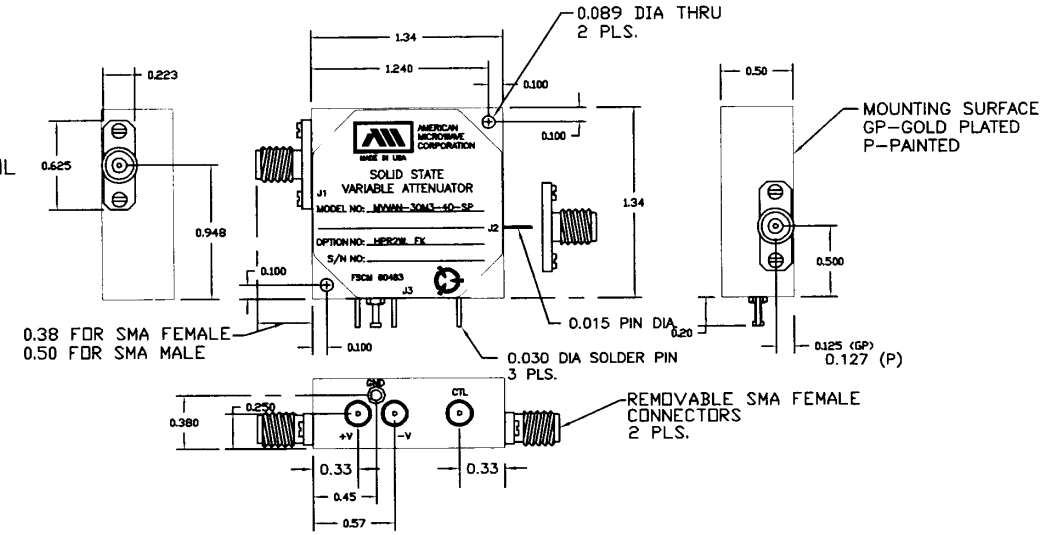
DESCRIPTION:

AMC MODEL NUMBER MVVAN-30M3-40-SP IS A MINIATURE VOLTAGE CONTROLLED ATTENUATOR WITH IP3 TO BE 15 dB HIGHER WITH INSERTION LOSS OF 1.5 dB. DESIGNED FOR 30 MHz TO 2.8 GHz, AND 33 dBM (2 WATTS CW) 0-40 dB DYNAMIC RANGE, WITH REMOVABLE SMA CONNECTORS FOR SURFACE MOUNT APPLICATIONS.

SPECIFICATIONS:

- FREQUENCY ..... 30 MHz TO 2.8 GHz
- INSERTION LOSS ..... 1.5 dB
- VSWR 2.0:1
- DYNAMIC RANGE ..... 0 TO 40 dB
- IP3 ..... 15 dB
- RF POWER ..... 2 WATTS CW
- POWER SUPPLY ..... +12V @ 150 mA MAXIMUM
  -12V @ 50 mA MAXIMUM
- CONTROL ..... 8-BIT POSITIVE TRUE BINARY
- CONNECTORS ..... REMOVABLE SMA FEMALE
  15-PIN MULTIPIN FOR POWER AND CONTROL
- SIZE ..... 1.34" X 1.34" X 0.5"
- WEIGHT ..... ≤3 OZ.

MECHANICAL OUTLINE



CONFIDENTIAL AND PROPRIETARY

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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

APPROVALS	DATE
DRAWN WHS	11/12/09
CHECKED	
ISSUED	

AMERICAN MICROWAVE CORPORATION
FREDERICK, MARYLAND

TITLE
PRODUCT FEATURE
MVVAN-30M3-40-SP
OPTIONS HPR2W, FK

SIZE	FSCM NO.	DWG NO.	REV.
A	60483	100-6845	–

SCALE N:S SHEET 1 of 3