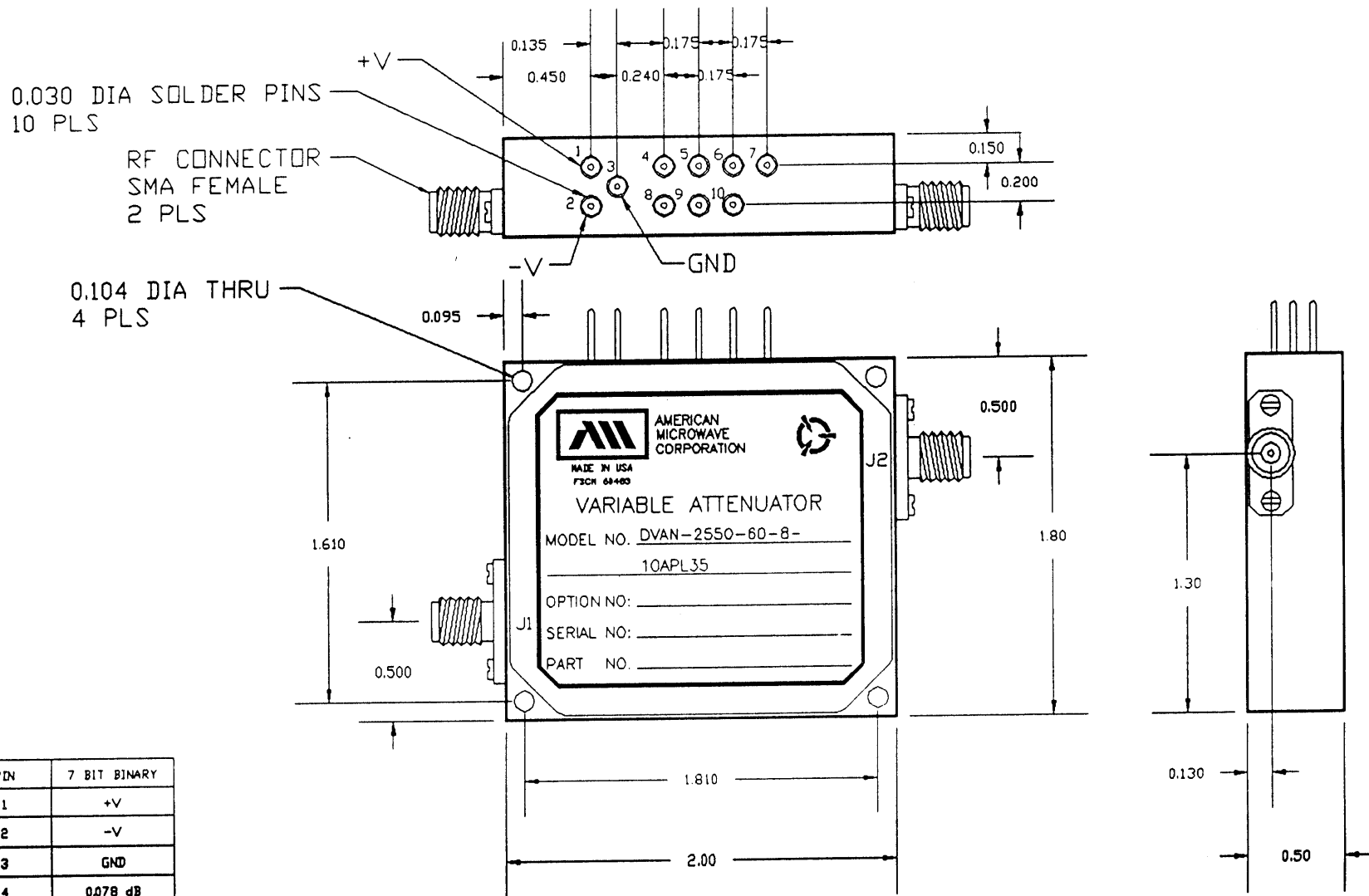


DVAN-2550-60-8-10APL35

Specification for RFIS Digital PIN Diode Attenuator

| | |
|------------------------------|--|
| Frequency Range: | 3.4 to 4.8 GHz |
| Attenuation Range: | 0 to 10 dB (monotonically increasing) |
| Overall Accuracy | +/- 0.5 dB including linearity and frequency sensitivity |
| Amplitude/Frequency Flatness | +/- 0.5 dB (max.) over the frequency range |
| Resolution: | 0.1 dB (monotonic) |
| Insertion Loss: | 1.7 dB (max.) |
| RF Input Power: | 1 W CW (max.) |
| RF Impedance: | 50 Ω nominal |
| VSWR: | 2:1 (max.) |
| Logic: | TTL Compatible |
| Switching Speed: | 10 microseconds |
| Temperature Range: | -55° C to 85° C |
| Temperature Stability: | +/- 0.3 dB from +10° C to +40° C |
| DC Power: | +/- 15 VDC at +/- 50mA. (max.) |
| RF Connectors: | SMA (female) |
| Electrical Connectors: | Solder Terminals |
| Size: | L=2.5", W=1.20", H= 1.0" (max) |

| REVISIONS | | | | |
|-----------|------|------------------|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A | ORIGINAL RELEASE | 09/16/95 | |



| PDN | 7 BIT BINARY |
|-----|--------------|
| 1 | +V |
| 2 | -V |
| 3 | GND |
| 4 | 0.078 dB |
| 5 | 0.156 dB |
| 6 | 0.312 dB |
| 7 | 0.624 dB |
| 8 | 1.248 dB |
| 9 | 2.496 dB |
| 10 | 4.992 dB |

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

| | | | |
|--------------|-----------|--|------------|
| CONTRACT NO. | | AMERICAN MICROWAVE CORPORATION FREDERICK, MARYLAND | |
| APPROVALS | DATE | TITLE | |
| DRAWN | R.A.FABLE | DVAN-2550-60-8-10APL35 DIGITAL VARIABLE ATTENUATORS | |
| CHECKED | | DATE | 09/16/95 |
| ISSUED | | SIZE | F3CH NO. |
| | | A | 60483 |
| | | DWG NO. | 100-3704-3 |
| | | REV. | A |
| SCALE | | SHEET 1 of 1 | |