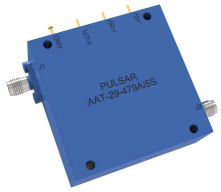
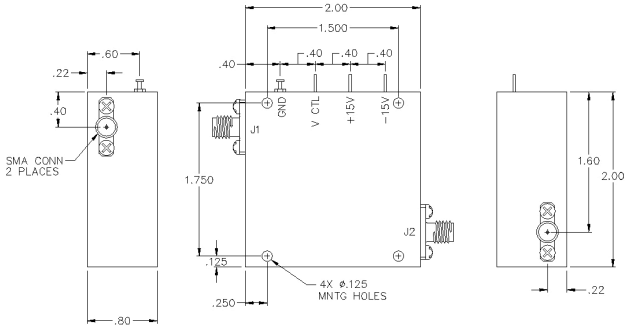
# AAT-29-479A/5S

## VOLTAGE CONTROLLED LINEARIZED ATTENUATOR




## SPECIFICATIONS

| | |
|---|---|
| Name: | AAT-29-479A/5S |
| Frequency Range: | 6-16 GHz |
| Attenuation Range: | 64 dB |
| Insertion Loss: | 6.0 dB max. |
| VSWR: | 2.00:1 max. |
| Connector Type: | SMA |

Transfer Function:
8 dB/Volt Typical for 32 dB attenuation range.
16 dB/Volt Typical for 64 dB attenuation range.

Typical Switching Speed: 600 nsec
Operating Power: <= 0 dBm
Power Handling: +27 dBm max.
Operating Temperature: -25°C to + 80°C
DC Supply:
+12 to +15 Volts @ 100mA Typical.
-12 to -15 Volts @ 50mA Typical.

Harmonic distortion is affected by input power and frequency. Typical distortion is 50 dBc for input power less than 0.0 dBm. Two tone intermodulation products are typically 54 dBc for input power less than 0.0 dBm.

These attenuators are bi-directional: Either SMA connector can be used as input.

## ATTENUATOR ACCURACY VS. FREQUENCY

| Bandwidth (2:1) | | Bandwidth (4:1) | |
|---|---|---|---|
| **Flatness (dB)** | **Attenuation (dB)** | **Flatness (dB)** | **Attenuation (dB)** |
| ±0.5 | 0-10 | ±0.6 | 0-10 |
| ±0.8 | 0-20 | ±1.2 | 0-20 |
| ±1.2 | 0-30 | ±1.8 | 0-30 |
| ±1.5 | 0-40 | ±2.2 | 0-40 |
| ±2.2 | 0-64 | ±3.5 | 0-64 |

This is a commercial off the shelf (COTS) product.
For an equivalent product that meets DFARS materials compliance, contact sales.
All specifications are subject to change without notice at any time. Rev: 250614

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