



## SPECIFICATIONS

|                        |                       |
|------------------------|-----------------------|
| Frequency Range:       | 1.0 - 4.0 GHz         |
| Insertion Loss:        | 5.0 dB Max            |
| VSWR:                  | 1.80:1 Max            |
| Attenuation Range:     | 64 dB                 |
| Control Voltage:       | 0 to +8 Volts Typical |
| Operating Power:       | $\leq 0$ dBm          |
| Power Handling:        | + 27 dBm Max          |
| Operating Temperature: | -25°C to +80°C        |

### Notes:

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 J1 or J2 can be used as input.

Attenuator Accuracy vs. Frequency

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

# PULSAR

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DESCRIPTION :

**Voltage Controlled Attenuator**

MODEL NO. :

**AAT-19-479/1S**

DIMENSIONS ARE IN INCHES  
 DECIMAL TOLERANCE:  
 2 PLACE  $\pm .02$   
 3 PLACE  $\pm .010$

SIZE  
**A**

CAGE CODE :  
**0HR85**

REV CODE :

SCALE : N / A

ALL SPECIFICATIONS ARE SUBJECT TO  
 CHANGE WITHOUT NOTICE AT ANY TIME

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