



## SPECIFICATIONS

Frequency Range:	2.0 - 8.0 GHz
Insertion Loss:	4.0 dB Max
VSWR:	2.00:1 Max
Attenuation Range:	32 dB
Transfer Function:	8 dB/Volt Typical for 32 dB Att. range. 16 dB/Volt Typical for 64 dB Att. range.
Typical Switch 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

### 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)
± 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

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DESCRIPTION :

**Voltage Controlled Linearized Attenuator**

MODEL NO. :

**AAT-22-479A/7S**

DIMENSIONS ARE IN INCHES  
DECIMAL TOLERANCE:  
2 PLACE ± .02  
3 PLACE ± .010

SIZE  
**A**

CAGE CODE :  
**0HR85**

REV CODE :  
**160615**

SCALE : N / A

ALL SPECIFICATIONS ARE SUBJECT TO  
CHANGE WITHOUT NOTICE AT ANY TIME

SHEET 1 OF 1