



# Octave Band Digital Switched Pad Attenuators

## FEATURES

- ❖ Low Insertion Loss
- ❖ Low VSWR
- ❖ High Speed
- ❖ Stable Attenuation vs Temperature
- ❖ High Damage Power

## SPECIFICATIONS

Octave Band Digital Switched PAD Attenuators												
Model Number	Freq. Range (GHz)	Atten. Range (dB)	Insertion Loss (dB)	VSWR	Frequency Flatness ( $\pm$ dB)					Switching Time (ns)	Ctrl Bits	LSB (dB)
					15 dB	30 dB	45 dB	55 dB	63 dB			
AD051-636	0.5-1	63	3.6	1.45:1	0.5	0.8	1.0	1.2	1.3	150	6	1
AD12-636	1-2	63	4.0	1.50:1	0.6	1.0	1.2	1.3	1.4	150	6	1
AD24-636	2-4	63	4.5	1.55:1	0.8	1.2	1.3	1.4	1.5	150	6	1
AD36-636	3-6	63	4.6	1.55:1	0.8	1.2	1.3	1.4	1.5	150	6	1
AD48-636	4-8	63	4.8	1.60:1	0.9	1.3	1.4	1.5	1.6	150	6	1
AD510-636	5-10	63	5.0	1.60:1	1.0	1.4	1.5	1.6	1.7	150	6	1
AD612-636	6-12	63	5.5	1.70:1	1.2	1.5	1.6	1.7	1.8	150	6	1
AD714-636	7-14	63	6.0	1.70:1	1.3	1.6	1.7	1.8	1.9	150	6	1
AD816-636	8-16	63	6.5	1.75:1	1.4	1.7	1.8	1.9	2.0	150	6	1

Note 1. DC power consumption:  $\pm$ 5 VDC @ 50 mA per bit.

Note 2. TTL compatible logic control signal

