



**AMERICAN MICROWAVE
CORPORATION**

8.0 TO 18.0 GHz 8-BIT DIGITALLY CONTROLLED ULTRA-HIGH SPEED ABSORPTIVE ATTENUATOR

- 6.0 TO 18.0 GHz
- LOW CURRENT DRAW
- 60 dB DYNAMIC RANGE
- 8-BIT DIGITAL CONTROL

AMC MODEL No: AGH-8018DD-UF

SPECIFICATIONS:

• FREQUENCY RANGE	:	8.0 TO 18.0 GHz (EXTENDED RANGE: 6.0 to 18.0 GHz)
• INSERTION LOSS	:	3.5 dB MAX.
• ATTENUATION RANGE	:	60 dB
• ATTENUATION ACCURACY	:	0 TO 30 dB = ± 0.5 dB MAX.
	:	30 TO 50 dB = ± 1.0 dB MAX.
	:	50 TO 60 dB = ± 1.5 dB MAX.
• FREQUENCY FLATNESS	:	0 TO 10 dB = ± 0.7 dB MAX.
	:	10 TO 20 dB = ± 1.0 dB MAX.
	:	20 TO 40 dB = ± 1.5 dB MAX.
	:	40 TO 60 dB = ± 1.6 dB MAX.
• VSWR	:	2.0:1 MAX.
• SWITCHING SPEED	:	500nS MAX. (<200nS TYPICAL)
• TEMPERATURE COEFFICIENT	:	±0.025 dB/°C, MAX.
• RF POWER RATINGS	:	+20 dBm Operating, + 30 dBm Survival
• CONTROL	:	8-bit Positive True Binary
• DC POWER SUPPLY	:	±12vdc or ± 15vdc, @ +100 mA, -20 mA MAX.
• CONNECTORS	:	SMA Female for RF
	:	15 pin Multipin for Power and Control
• SIZE	:	3.0 " X 2.0" X 0.8"
• WEIGHT	:	< 4 oz.

DIGITAL AND ANALOG ATTENUATORS AVAILABLE IN OTHER FREQUENCIES.