DESCRIPTION
AMC Model AGH-0612-600DSF is an Ultra High Speed Octave Band Attenuator/Modulator, Programmable by 8 Bit Positive True Binary Logic.

SPECIFICATIONS
- **Frequency Range**: 6–12 GHz Minimum
- **Insertion Loss**: 2.5 dB Maximum
- **Attenuation Flatness**: 0–10 dB ±0.7 Maximum, 10–20 dB ±1.0 Maximum, 20–40 dB ±1.5 Maximum, 40–60 dB ±1.6 Maximum
- **Attenuation Accuracy**: 0–30 dB ±0.5 Maximum, 30–50 dB ±1.0 Maximum, 50–63.75 dB ±1.5 Maximum
- **Switching Time**: 125 ns Maximum
- **Temperature Coefficient**: ±0.01 dB/°C
- **VSWR (ON/OFF)**: 1.7:1 Maximum
- **Power Ratings**
  - Operating: ±20 dBm Maximum
  - Survival: ±30 dBm Maximum
- **Control**: 8-bit Positive True TTL Binary Logic, 0.25 dB Minimum Attenuation Steps (See Pin Function Table)
- **Power Supply**: +12 to +18 VDC @ 100 mA Maximum
  - Minus 12 to 18 VDC @ 15 mA Maximum
- **Connectors**
  - RF Input/Output: Field Replaceable SMA (Female)
  - Power and Controls: Miniature 14 Pin Male (MIL-28748), Mating Connector (Female) Furnished
- **Size**: 1.80” x 1.67” x 0.85”

ENVIRONMENTAL RATING
- **Temperature**: -55°C to +85°C (Operating), -65°C to +125°C (Storage)
- **Humidity**: MIL-STD-202F, Method 103B Cond. B
- **Shock**: MIL-STD-202F, Method 213B Cond. B
- **Vibration**: MIL-STD-202F, Method 204D Cond. B
- **Altitude**: MIL-STD-202F, Method 105C Cond. B
- **Temperature Cycle**: MIL-STD-202F, Method 107D Cond. A

AVAILABLE OPTIONS
- A01: J1 SMA Male, J2 SMA Female
- A02: Two SMA Male Connectors
- A03: Miniature 15 Pin, Male Connector (MDM15SSP)
- A04: Ultra High Speed (70 nS ON/OFF Time)