

FEATURES:

- 0.5 - 18.0 GHz FREQUENCY RANGE
- TTL COMPATIBLE LOGIC
- HIGH SPEED SWITCHING
- LOW DC POWER CONSUMPTION
- STABLE ATTENUATION
- HIGH RF POWER HANDLING
- SIZE: 2.0" x 2.0" x 0.45"



AKON is a leading manufacturer of RF/microwave components and subsystems for military, space and commercial applications.

AKON's product line includes high reliability, custom integrated microwave assemblies, DFD receivers, microwave receiver front-ends, RF switching matrices, frequency synthesizers, custom LO assemblies, frequency converters, RF switches, digitally controlled attenuators, miniature RF filters and switches, and microwave amplifiers covering 0.5 - 18.0 GHz frequency range (up to 40.0 GHz for some applications). AKON is qualified to MIL-I-45208 Quality System Requirements by agencies of the U.S. Department of Defense and by leading foreign and domestic military OEMs. All specifications are valid over the full operating temperature unless otherwise indicated.

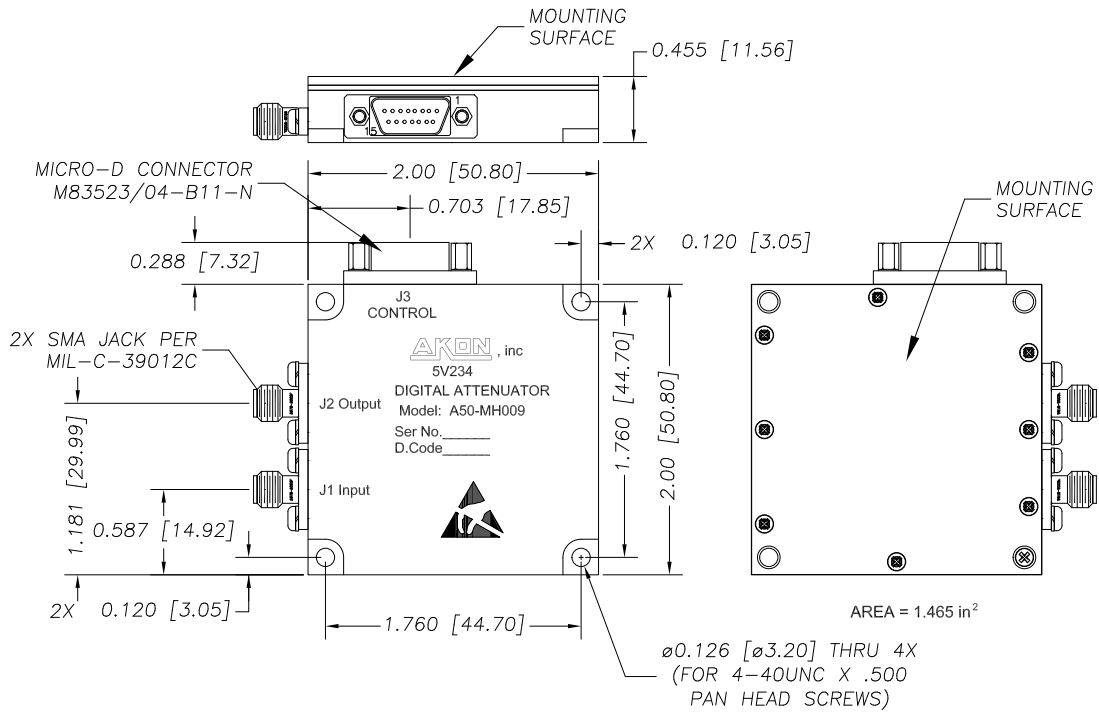
Model No. A50-MH009 is a high performance 8-bit digitally controlled attenuator with extremely flat frequency response.

SPECIFICATIONS:

Model Number	A50-MH009
Frequency Range (GHz)	0.5 - 18.0
Attenuation Range (dB)	64
Attenuation Step Size (dB)	0.25
Digital Control	TTL Logic Control; 8 bit
Insertion Loss (dB)	4.5 (max)
Attenuation Linearity (dB)*see note	+/- 1.0 (nom)
Attenuation Flatness (dB)	+/- 2.0 (max)
Power Handling (dBm)	+20 (max)
Switching Speed (nS)	650 (max)
VSWR	2.2:1 (max)
Impedance (Ohms)	50
RF Connectors	SMA-F
Control and Power Supply Connector	D-Type
Power Supply (VDC)	+12V
Size (Inches)	2.0" x 2.0" x 0.455"
Operating Temperature (°C)	-40 to +71
Note:	Linearity with best fit straight line is +/- 1.5 dB (nom), +/- 1.75 dB (max) from 0.5 to 1.0 GHz.

Note: All dimensions are specified in inches (mm)

OUTLINE DRAWING:



TYPICAL PERFORMANCE:

ATTENUATION RESPONSE @25°C

