

**FEATURES:**

- FAST RISE AND FALL TIMES
- EXCELLENT LINEARITY
- COMPUTER TUNED AND TESTED
- PRODUCTION READY
- SIZE: 3.20" x 1.85" x 0.40"



**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).

Model A15-MH069 is an ultra-fast miniature SDLVA. In slightly over 2.0 cubic inches, the unit features 60 dB dynamic range and exceptionally fast 40 nanosecond fall time.

**SPECIFICATIONS:**

Model Number	A15-MH069
Frequency Range (GHz)	2 - 18
Dynamic Range (dBm)	60
T.S.S. (dBm)	-66
Logging Range (dBm)	-60 to 0
Frequency Flatness (dB)	+/- 2.0 (max); +/- 1.75 (typ)
Log Linearity (dB)	+/- 1.5 (max); +/- 1.0 (typ)
Log Slope (mV/dB)	15
Rise Time (nS)	10
Fall Time (nS)	40
Propagation Delay (nS) (50% RF to 10% Video)	10
Recovery Time (nS) (90% to +/- 1.0 dB of baseline)	125 (typ); 200 (max)
Power Supply (VDC)	+12 @ 500mA; -12 @ 125mA
Coupling	DC
Operating Temperature (°C)	-20 to +71
VSWR	2.0:1 (max)

Note: All dimensions are specified in inches (mm)

OUTLINE DRAWING:

