

KEY PERFORMANCE FEATURES

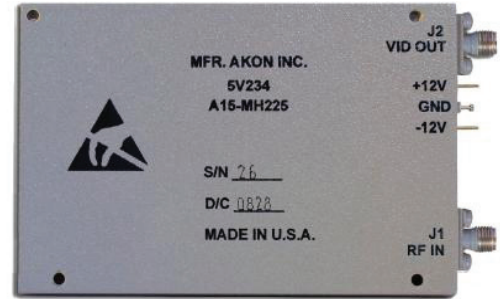
- 0.5 - 18 GHz Frequency Coverage
- 10 nS Rise Time
- 60 nS Recovery Time
- Excellent Log Linearity
- Flat Frequency Response
- EAR 99 Export Classification

PRODUCT DESCRIPTION

AKON has developed a new series of DLVAs operating over a frequency range of 0.5 to 18 GHz in a variety of bands. This new series offers 70 dB dynamic logging range with linearity of +/-1 dB over this range.

AKON products are designed to withstand the demanding environments of Military, Space and Industrial applications. Our compact and ruggedized products are designed to handle stringent mechanical shock/vibrations, temperature cycling, altitude and temperature extremes.

Reliability is a key feature of AKON products and to ensure this we perform ESS testing on all of our products. AKON offers an off-the-shelf screening option called its “H” series, per Mil-STD-883 level B that is available on all of its RF & Microwave Components. **For custom electrical, mechanical, and screening options, please contact AKON Sales: sales@akoninc.com (or) 408-432-8039.**



SPECIFICATIONS:

Parameter	A15-MH226	A15-MH227	A15-MH228	A15-MH225
Frequency Range (GHz)	0.5 - 2	2 - 6	6 - 18	2 - 18
T.S.S. (dBm)	-73	-73	-73	-73
Logging Range (dBm)	-70 to 0	-70 to 0	-70 to 0	-70 to 0
Frequency Flatness (dB)	+/- 1.5	+/- 1.5	+/- 2.0	+/- 3.0
VSWR	2.0:1	2.0:1	2.0:1	2.0:1
Log Linearity (dB)	+/- 1.0	+/- 1.0	+/- 1.0	+/- 1.0
Log Accuracy (dB) (over temperature at a given frequency)	+/- 2.5	+/- 2.5	+/- 3	+/- 3
Log Slope (mV/dB) For Linearity Measurement	25	25	25	25
Rise Time (nS)	10	10	10	10
Recovery Time (nS) (90% to +/- 1.0 dB of Baseline)	60	60	60	60
Propagation Delay (nS) (50% RF to 10% Video)	10	10	10	10
Power Supply Current (mA)				
+12 (VDC)	500	500	600	600
-12 (VDC)	150	150	150	150
Coupling	DC	DC	DC	DC
Video Load (ohms)	93 +/- 1	93 +/- 1	93 +/- 1	93 +/- 1
Size	Figure 1	Figure 2	Figure 3	Figure 3
Operating Temperature (°C)	-20 to +85	-20 to +85	-20 to +85	-20 to +85

AKON, Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. All products are measured in 50-ohm system, over a temperature Range of -20° to +85° C.

Note: All dimensions are specified in inches (mm)

OUTLINE DRAWING

