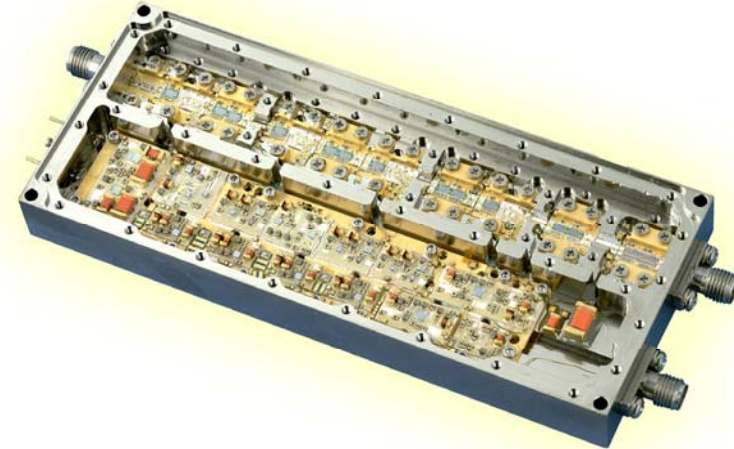


# Fast SDLA with Limited RF Output

Limited RF Output, Frequency Response,  
Excellent Log Linearity, Excellent Temperature Performance

## KEY SPECIFICATIONS:

	<u>A15-MH120</u>	<u>A15-MH121</u>
▪ Frequency Range:	2.0 - 6.0 GHz	6.0 - 18.0 GHz
▪ T.S.S.:	-73 dBm	-73 dBm
▪ Logging Range:	-70 to 0 dBm	-70 to 0 dBm
▪ Frequency Flatness:	$\pm 1.5$ dB	$\pm 2.0$ dB
▪ Limited RF Output:	$+10 \pm 2.0$ dB	$+10 \pm 3.0$ dB
▪ Harmonics:	8 dBc	8 dBc
▪ VSWR in/out:	2.5:1	2.5:1
▪ Log Linearity:	$\pm 1.0$ dB	$\pm 1.0$ dB
▪ Log Accuracy:	$\pm 2.5$ dB	$\pm 2.0$ dB
▪ Rise Time:	10 ns	10 ns
▪ Recovery:	60 ns	60 ns
▪ Log Slope:	25 mV/dB	25 mV/dB
▪ Operating Temperature:	-40°C to +85°C	-40°C to +85°C
▪ Power Supply ( $\pm 12$ V):	650 mA -150 mA	750 mA -150 mA
▪ DC Offset:	$25 \pm 25$ mV	$25 \pm 25$ mV



# 2.0-18.0 GHz SDLVA

## KEY SPECIFICATIONS:

- Frequency: 2.0 - 18.0 GHz
- T.S.S.: -73 dBm
- Dynamic Range: -70 to 0 dBm
- Rise Time: 15 ns
- Fall Time: 100 ns
- Video Bandwidth: DC - 35 MHz
- Recovery Time: 75 ns
- Linearity:  $\pm 1.0$  dB typ.
- Slope: 15 mV/dB
- Operating Temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Power Supply:  $\pm 12$  VDC

