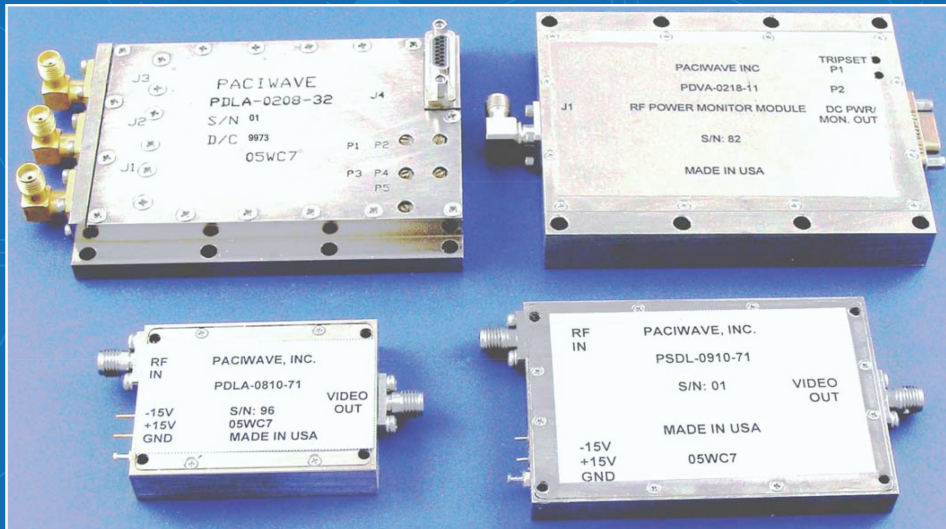


DLVA & SDLVA



10 MHz – 40 GHz



dB Control's compact Detector Logarithmic Video Amplifiers (DLVA) and Successive DLVAs (SDLVA) are environmentally sealed packages featuring limited RF output, plus excellent absolute accuracy and log linearity. Available in both broadband and narrow band configurations, these DLVAs and SDLVAs are ideal for electronic warfare (EW), signal intelligence (SIGINT), instantaneous frequency measurement (IFM) receivers, and other applications that require a fast response and relatively flat frequency response.

Specifications

- 10 MHz – 40 GHz
- Dynamic range to 95 dB
- TSS below -80 dB
- Rise time better than 10 nsec
- Recovery time 60 nsec or better
- < 15 nsec delay time
- +20 dBm CW power handling
- 25 mv/dB or 50 mv/dB typical log slope
- -55° C to +85° C operating temperature
- +12V to +15V and -12V to -15V DC power supply

Custom Integrated Assemblies

- Limiter/DLVA
- Filter/DLVA
- Switch/DLVA
- Threshold detection
- Video pulse and frequency limits for power monitors

