



80 dB ULTRAHIGH DYNAMIC RANGE SDLVA-CHIP

Model SDLVAC-0120-80 is a 300 MHz to 2 GHz, -75 to +5 dBm dynamic range successive detection logarithmic video amplifier chip (SDLVA-Chip) with a log slope of 25 mV/dB (10 to 50 mV/dB available). The log linearity is ± 1.0 dB from the best fit straight line over the dynamic range and additional ± 1.0 dB over the operating temperature range of -40°C to 85°C typical. The chip provides 20 MHz video bandwidth and a limited IF output of -20 dBm minimum. It operates from +5 VDC @ +80 mA and -5 VDC @ -135 mA typically and measures $0.50'' \times 0.35'' \times 0.09''$.

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