



**ADVANCED
RESEARCH INSTRUMENTS
CORPORATION**

V-100-40 dB DC coupled 100 MHz Amplifier

March 21, 2012



Bandwidth : 100 MHz
Input impedance : 50 Ω
Output impedance : 50 Ω
Voltage Gain : 100X [40 dB]
Max. Output Voltage: $\pm 2V$ into 50 Ω
Transimpedance : 0.5×10^4
Transimp. Sensitivity : 1V/200 μA
Input equiv. Noise V : 100 μV_{p-p}
Input equiv. Noise I : 1 μA_{p-p}
Power Requirement : $\pm 12-15VDC$