The SIM954 Amplifier is a 300 MHz, dual-channel inverting amplifier that delivers up to ±10 V of output voltage and up to 1 A of output current. The amplifier can be used to drive many types of light laboratory loads without imposing the limitations and high cost of typical RF power amplifiers.

**Specifications**
- **300 MHz bandwidth**
- ±10 V output voltage
- Up to 1 A output current
- <1 dB flatness
- 4000 V/µs slew rate
- 2 independent channels

**SIM954 ... $1195** (U.S. list)

**SIM954 300 MHz Amplifier**

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**Specifications**
- Bandwidth (-3 dB) DC to 300 MHz
- Gain 12 dB into 50Ω (inverting)
- Gain flatness <1 dB (DC to 100 MHz)
- Crosstalk -60 dB (at 1 MHz), -40 dB (full BW)
- VSWR 1.2:1 (DC to 100 MHz)
- Isolation (output to input) -70 dB (DC to 1 MHz), -40 dB (full BW)
- Slew rate 4000 V/µs
- Output amplitude ±10 V (into 50Ω)
- Peak output current 1 A (into ≤7Ω)

Average output current 500 mA (sum of both channels)
Output impedance 3.3Ω
Input impedance 50Ω
Input offset voltage 1 mV (trimmable)
Input bias current 10 µA (trimmable)
Operating temperature 0 to 40°C, non-condensing
Interface Serial via SIM interface
Connectors BNC (4 front-panel)
DB15 (male) SIM interface
Power Supplied by SIM900 Mainframe, or optionally by a user-supplied DC power supply (±15 V and +5 V)
Dimensions 1.5" × 3.6" × 7.0" (WHD)
Weight 1.5 lbs.
Warranty One year parts and labor on defects in materials and workmanship

**Ordering Information**
SIM954 300 MHz inverting amplifier $1195