Small Instrumentation Modules

SIM954 — 300 MHz dual-channel inverting amplifier



Traunstraße 21, A-2120 Wolkersdorf

T:+43 2245 6725 F:+43 2245 559633 office@prager-elektronik.at www.prager-elektronik.at

- · 300 MHz bandwidth
- $\cdot \pm 10$ V output voltage
- · Up to 1 A output current
- · <1 dB flatness
- · 4000 V/µs slew rate
- · 2 independent channels





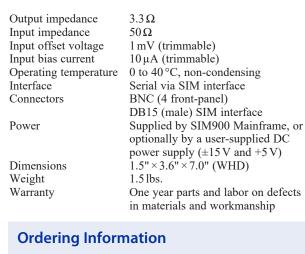
• SIM954 ... \$1295 (U.S. list)

SIM954 300 MHz Amplifier

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

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)
	1.6:1 (DC to 300 MHz)
Isolation (output to input)) –70 dB (DC to 1 MHz),
	-40 dB (full BW)
Slew rate	4000 V/µs
Output amplitude	$\pm 10 \mathrm{V} (\mathrm{into} 50 \Omega)$
Peak output current	$1 \text{ A} (\text{into } \leq 7 \Omega)$
Average output current	500 mA (sum of both channels)



SIM954 300 MHz inverting amplifier

er \$1295



phone: (408)744-9040 www.thinkSRS.com