Small Instrumentation Modules

SIM954 — 300 MHz dual-channel inverting amplifier

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





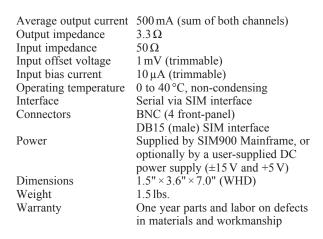


-SIM954 300 MHz Amplifier-

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	$\pm 10 \text{ V} (\text{into } 50 \Omega)$
Peak output current	$1 \text{ A} (\text{into } \leq 7 \Omega)$



Ordering Information

SIM954 300 MHz inverting amplifier



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