

Broadband amplifier DC to 5 MHz from TOELLNER®

TOE 7607



- ❖ High output voltage of up to 40 V_{pp} into 50 Ohm
- ❖ Wide frequency range from DC to 5 MHz
- ❖ Gain of up to 26 dB
- ❖ Small distortion factor
- ❖ Feedback voltage protection

Signal conditioning and amplification are required in many technical areas whether it be mechanical or control engineering, medical technology or testing procedures.

The TOE 7607 broadband amplifier is capable of supplying the necessary features for a frequency range from DC to 5 MHz and output voltages of up to 40 V_{pp} into 50 Ohm.

The outstanding features of the TOE 7607 broadband amplifier are its high output voltage of up to 40 V_{pp} into 50 Ohm and its low distortion factor.

The amplifier gain is continuously adjustable up to max. 26 dB over a frequency range from DC to 5 MHz.

Besides general-purpose laboratory tasks, application areas include electrical and electronic engineering, process control, machine construction, medical technology, and educational institutions where the amplifier is used as a training aid.

Specifications

Amplifier characteristics

Frequency range: DC to 5 MHz (-3 dB)

Gain: 0 to 26 dB
continuously adjustable

Distortion factor: < 0.2 % up to 100 kHz

Rise or fall time: < 60 ns

Input, output

Input voltage: max. 42 V_{rms}

Input impedance: 1 MOhm

Output voltage: 0 V to 40 V_{pp}
into 50 Ohm

The output is no-load and short-circuit proof and is protected against feedback voltages up to approx. 120 V

Output impedance: approx. 10 Ohm

General data:

Mains voltage: 115 V/230 V,
± 10 %,
48 Hz to 60 Hz

Power consumption: 40 VA

Dimensions:

265 x 147 x 280 mm (WxHxD)

Weight: Approx. 3.5 kg

Housing: Aluminium

Ordering data:

Broadband amplifier **TOE 7607**

Options

19" adapter, 3HU **TOE 9501**

19" slide-in module, 4HU **TOE 9503**

Carrying handle **TOE 9008**